

State of California
The Resources Agency
DEPARTMENT OF FISH AND GAME

THE JOHN E. SKINNER DELTA FISH PROTECTIVE FACILITY

1968 - 1980

A SUMMARY OF THE FIRST THIRTEEN YEARS OF OPERATION

by

Bay-Delta Fishery Project

Anadromous Fisheries Branch

Administrative Report No. 81-6

October, 1981

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ABSTRACT

This report describes the operation of the John E. Skinner Delta Fish Protective Facility from 1968 through 1980. Of the forty-three species collected during this period, five account for 96% of the total number salvaged: striped bass, Morone saxatilis, 62%; threadfin shad, Dorosoma petenense, 16%; white catfish, Ictalurus catus, 7%; American shad, Alosa sapidissima, 7%; and Delta smelt, Hypomesus transpacificus, 4%. Annual salvage totals increased from 1968 to 1974, and have since decreased to the 1968-69 level. Actual and mean monthly salvage totals, percent composition, and fish per acre-foot for each species and year of operation are presented. Facility history and operation is discussed as well as data collected, salvage totals and trends of key species, special studies, and future plans.

^{1/} Anadromous Fisheries Branch Administrative Report No. 81-6. Submitted October, 1981.

INTRODUCTION

The John E. Skinner Delta Fish Protective Facility (FPF), a segment of the California State Water Project (SWP), is located in southeastern Contra Costa County near Byron, California (Figure 1). In 1968, the FPF began to salvage millions of fish out of the California Aqueduct for release back into the Sacramento-San Joaquin Delta. The FPF is staffed by the Department of Water Resources (DWR) and operations are monitored by the Department of Fish and Game (DFG).

This report summarizes the first thirteen years of operation, including explanations of the louvering process, as well as the collection and analysis of the data. Collection totals for individual species and groups are analyzed for trends. Special studies and future plans for the facility are discussed.

FACILITY HISTORY AND OPERATION

The FPF was patterned after the Central Valley Project's (CVP) Tracy Fish Collecting Facility which has been in operation since 1957. When operations began, the SWP diverted water from Old River via Italian Slough. However, maximum exports could not be achieved until the completion of Clifton Court Forebay in 1969 which takes water through radial gates directly from Old River, eliminating tidal influences on the pumps.

The FPF is administered by DWR and DFG. Originally, DWR operated and maintained the facility while DFG collected, analyzed, and stored the required data and produced the monthly and annual reports. DFG staffing has decreased as facility evaluations were completed and DWR began assuming responsibility for data collection. All DFG costs are fully reimbursed by DWR.

The FPF utilizes a louver and bypass method of operation (Figure 2). Fish enter Clifton Court Forebay from Old River through radial gates. Having traversed the forebay, they are drawn under a trashboom and through the trashracks (Figure 3). Fish not able to pass through the 51 mm (2 in.) openings of the trashracks are excluded from the remainder of the facility and must remain in the channel or return to the forebay. Fish that pass through the trashracks enter one of four 6.4 m (21 ft) wide bays forming the two channels currently in operation. Fish then encounter louver panels set diagonally across the channel. The louver slats are spaced 2.5 cm (1 in.) apart, and oriented 15 deg relative to the direction of flow. Turbulence created by the louvers is detected by the fish which normally avoid the turbulence and are guided into a primary bypass leading to the secondary channel. Fish from both primary channels are directed into the secondary channel where they encounter another set of louvers. Fish guide along in front of this single louver array and pass into the secondary bypass where they are directed to one of four holding tanks and held for transportation back into Delta waterways by standard fish transporting trucks. Fish are generally transported

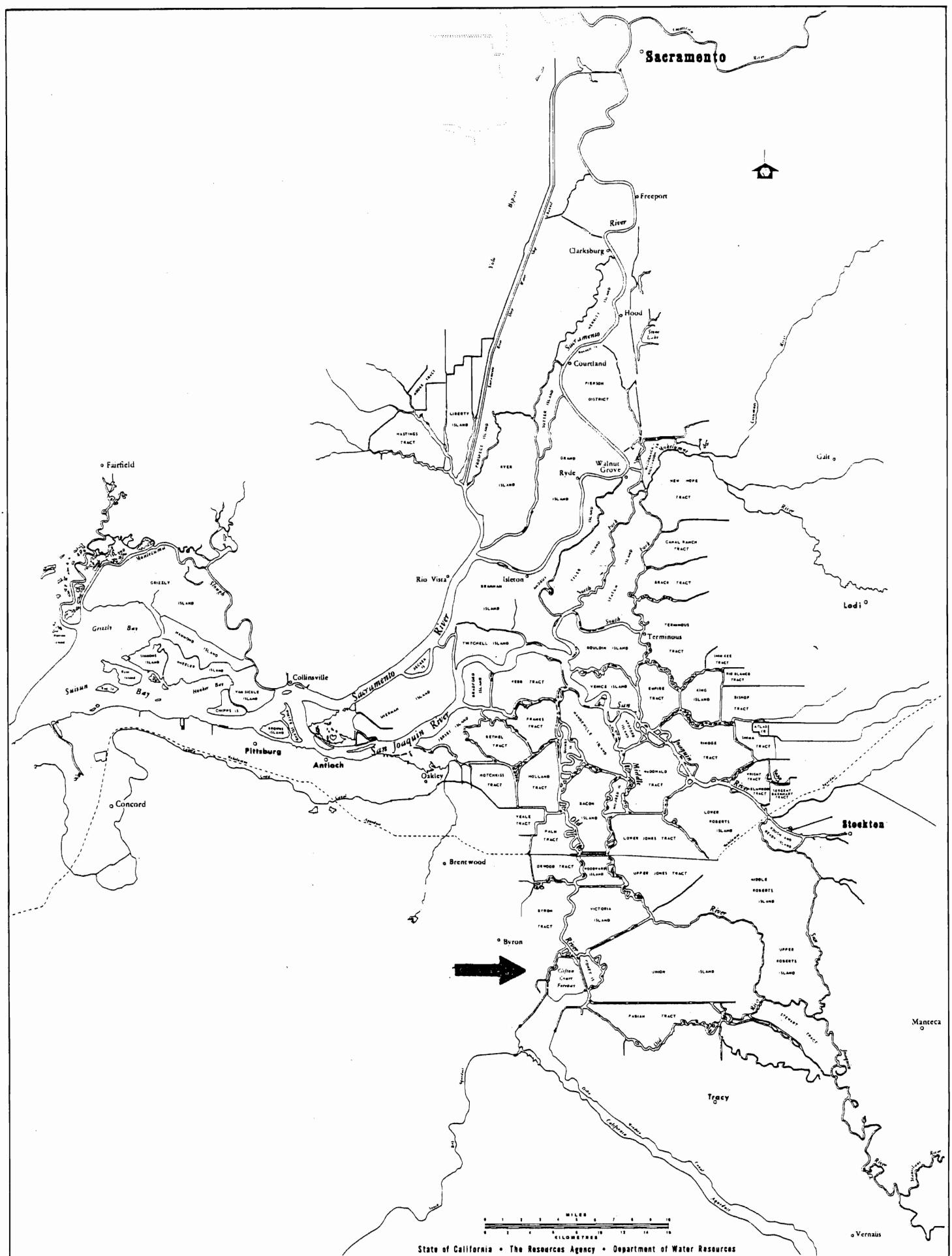


FIGURE 1. Sacramento-San Joaquin Delta showing the location of John E. Skinner Delta Fish Protective Facility.

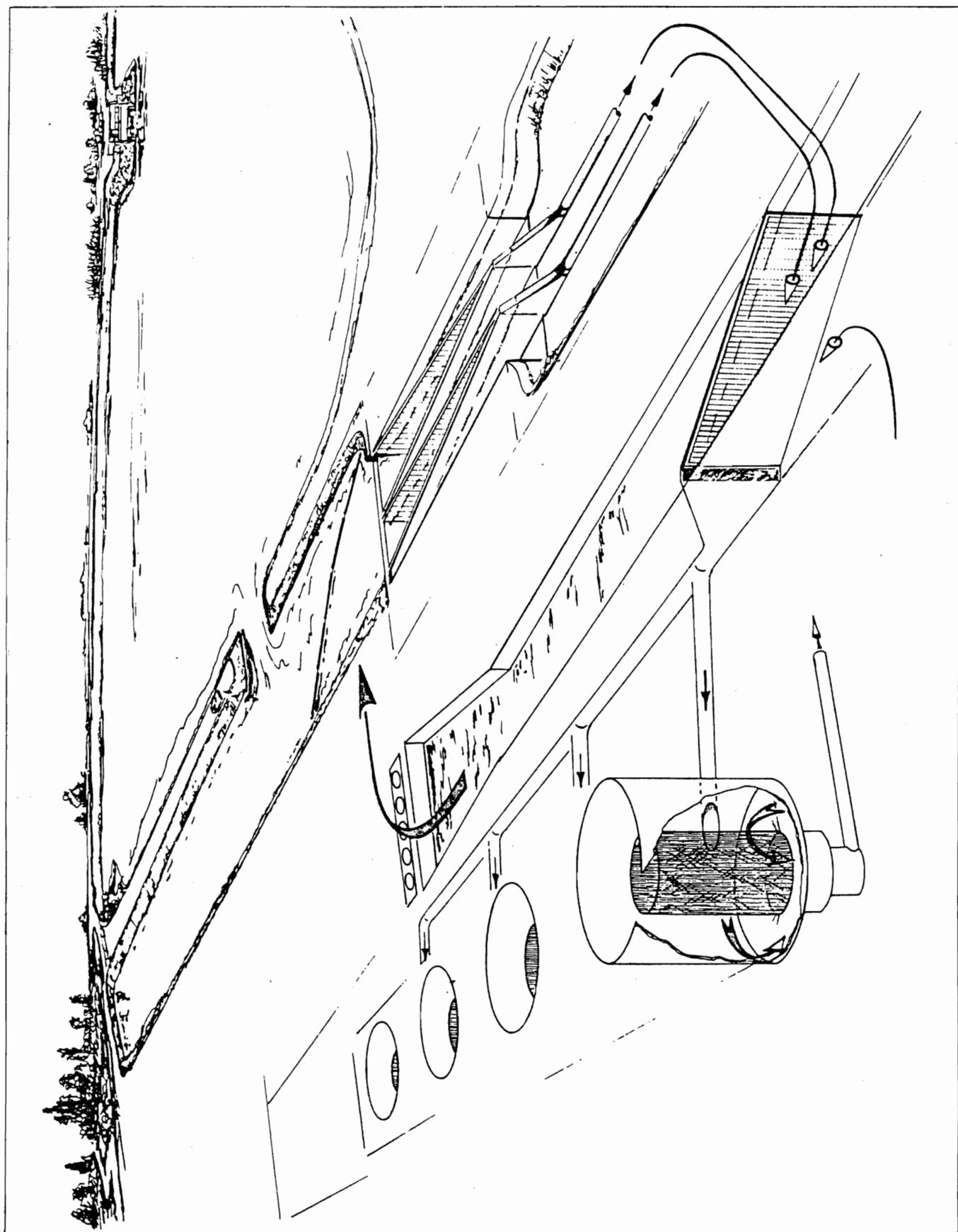


FIGURE 2. Schematic diagram of John E. Skinner Delta Fish Protective Facility.

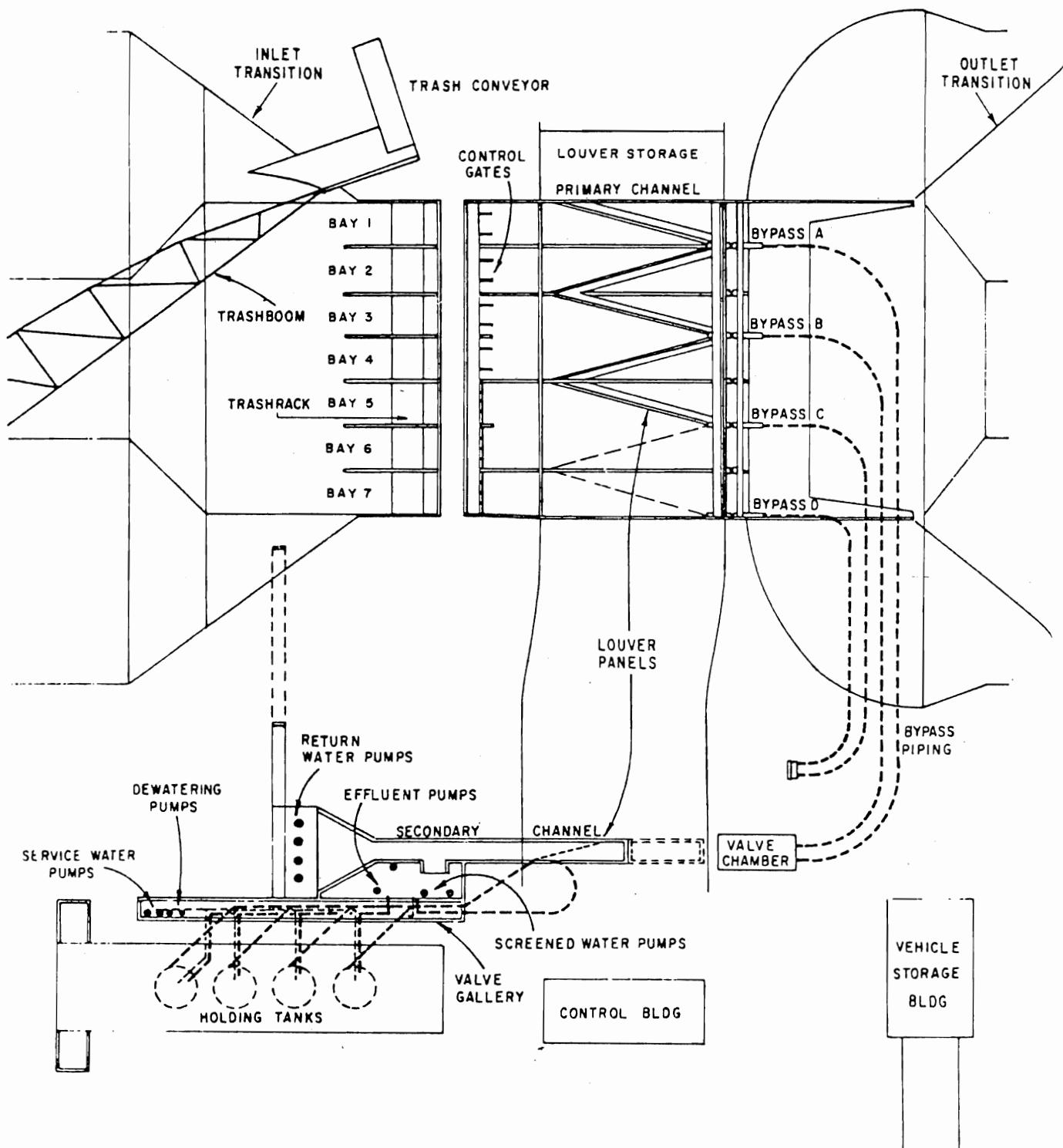


FIGURE 3. Layout of John E. Skinner Delta Fish Protective Facility.

and released at least once per day. Temperature, fish size, and number are used in conjunction with tables developed by Bates, Logan, and Pesonen (1960) to determine when to haul the fish. Two special release sites have been constructed on Sherman Island, one on the Sacramento River side and one on the San Joaquin River side. The sites include circulation pumps and long release pipes to release fish 18 to 24 m (60 to 80 ft) offshore.

An extensive evaluation of the facility was conducted during 1970 and 1971 (Department of Water Resources and Department of Fish and Game, 1973). Large nets were placed downstream from the primary and secondary louvers. Numbers of fish passing through the louvers and into the nets were compared with the numbers collected in the holding tanks to determine the efficiency of the louvers. The many combinations of flows, sizes, and types of fish required about 1,500 separate tests.

The results showed there were several critical factors affecting louver efficiency:

1. Length of Fish - Swimming ability increases with size. Larger fish will avoid the louvers better and the louver efficiency will be higher. For example, the louver efficiency for 10 mm (0.4 in.) striped bass is less than 1% while the louver efficiency for 50 mm (2 in.) striped bass is approximately 80%. The louver efficiency for white catfish varies from 1% for fish less than 10 mm (0.4 in.) to over 45% for 50 mm (2 in.) catfish (Department of Water Resources and Department of Fish and Game, 1973).
2. Approach Velocity - This is the mean velocity of the water in the channel approaching the louvers. Louver efficiency generally is inversely related to approach velocity for very small fish such as young striped bass and white catfish and low approach velocities (30 cm/s, 1 ft/s) are recommended during the period when these fish are abundant. Chinook salmon, Oncorhynchus tshawytscha, require a higher approach velocity (> 91 cm/s, 3 ft/s) to carry them into the bypasses. Limited control of primary approach velocities is obtained by channel selection. Secondary approach velocity is controlled by four return water pumps.
3. Channel Selection - Generally, efficiencies are better in bays 1 and 2 which are separated by a center wall (Figure 3). Many fish such as striped bass, white catfish, and American shad apparently guide along the center wall and therefore avoid the louvers altogether. Bays 3 and 4 which have no center wall proved to be more effective for chinook salmon.
4. Bypass Ratio - This is calculated by dividing the velocity of the water at the primary or secondary bypass opening by the appropriate approach velocity. The value should be greater than 1.0 to maintain a condition in which fish are "pulled" into the bypass opening. Bypass ratios should not be so large as to create excessive velocities in the secondary channel or the holding tanks.

As a result of the evaluations of the facility, specific guidelines were developed for chinook salmon, striped bass, white catfish, and threadfin shad. These guidelines have been used as established operating criteria which were the basis for that portion of the State Water Resources Control Board Decision 1485 pertaining to fish facility operations. The facility cannot be operated for optimum efficiency at all times due to inherent design limitations. As a result, the guidelines in Decision 1485 represent a compromise to maximize fish salvage efficiency. Information acquired from these first years of operation has also been used to formulate recommendations for substantial improvements, included in the expansion of the facilities which began in 1981.

DATA COLLECTION

Although the primary purpose of data collection is to regulate the operation of the FPF, there have been many opportunities for compiling data and providing information which have been used in a variety of other studies. Since operations began, records have been maintained on the number, type, and size of fish being salvaged as well as various flow data. Several data formats have been used.^{2/}

Length-frequency data were initially recorded as individual lengths (in.) in several different formats until 1973 when lengths were grouped in the following intervals:

10.0 mm, 10.0-12.5 mm, 12.5-15.0 mm, 15.0-17.5 mm, 17.5-
20.0 mm, 20-25 mm, 25-30 mm, 30-40 mm, 40-50 mm, 50-75 mm,
75-100 mm, 100-125 mm, 125-150 mm, >150 mm.

From 1977 to the present, length data have been recorded as individual total lengths (mm) (Figure 4).

The data sheets on which sample totals and flow data are recorded (Figure 5) has remained essentially the same. Summaries of this data were processed by hand until 1978 when programs were developed using a Hewlett-Packard 9820-A programmable calculator. By 1980, all historical data had been put in computer files and revised summaries were produced using the computer at the University of California, Davis.

DATA ANALYSIS

Manpower and practical considerations require estimating the total number of fish being salvaged by using the following formula:

^{2/} Bay-Delta Fisheries Project, Office Report, 1979.

FIGURE 4. Fish Salvage Data Sheet

FIGURE 5. Fish Salvage Data Sheet.

$$\text{Total number of fish salvaged} = \frac{\text{Total number of fish sampled}}{\text{Sample duration (min)}} \cdot \frac{\text{Total time from beginning of previous sample to beginning of present sample (min)}}{}$$

Estimates are made by shunting fish for discrete periods of time from one holding tank to another, counting the number of fish sampled, and extrapolating the results. Estimates of the total number of each species are made by partitioning the above salvage total using percent composition figures. These are calculated with data from species counts (usually two per day at 0100 and 1300). Currently, sampling procedures have a confidence level of $80\% \pm 50$ to 100%.

By 1979, computer programs had been developed which would edit, sort, and analyze the data. During editing, each number is checked and flagged if it falls outside a normal range of values. Following correction and sorting, the processed data is then used to produce monthly and annual reports.

The published reports present summaries of fish salvaged and water exported as well as plots of daily exports, total fish per acre-foot, tables of monthly and annual totals, mean total lengths, and percent composition for each species. Additional information is available including a listing of all raw data, primary velocities, primary and secondary bypass ratios, daily exports, salvage totals, and fish per acre-foot figures for each species. In the future, the density of fish in each truckload of fish released will be included in the monthly report.^{3/} A more detailed explanation of monthly report preparation is available.

Computer programs have been developed to produce tables of monthly totals, percent of the monthly grand total, and fish per acre-foot for each species as well as plots of temperature, fish per acre-foot and exports, mean length, and salvage total for any species or time period desired.

SUMMARY OF FISH COLLECTED

From March, 1968 to December, 1980, nearly 154 million fish were collected at the facility, representing forty-three species. Annual totals have ranged between 31 million (1974) and 2 million (1977) fish (Figure 6A) with a mean of 12 million, or 8.4 fish per acre-foot. Five species accounted for 96% of the total collected: striped bass, 62%, threadfin shad, 16%; white catfish, 7%; American shad, 7%; and Delta smelt, 4%. Annual and grand totals for each species and year of operation are presented in Appendix 1. Mean totals, monthly percents, and fish per acre-foot values for each species and month are presented in Appendix 2. Monthly and annual totals, percents, and fish per acre-foot values for each species and month are included in Appendices 3-15.

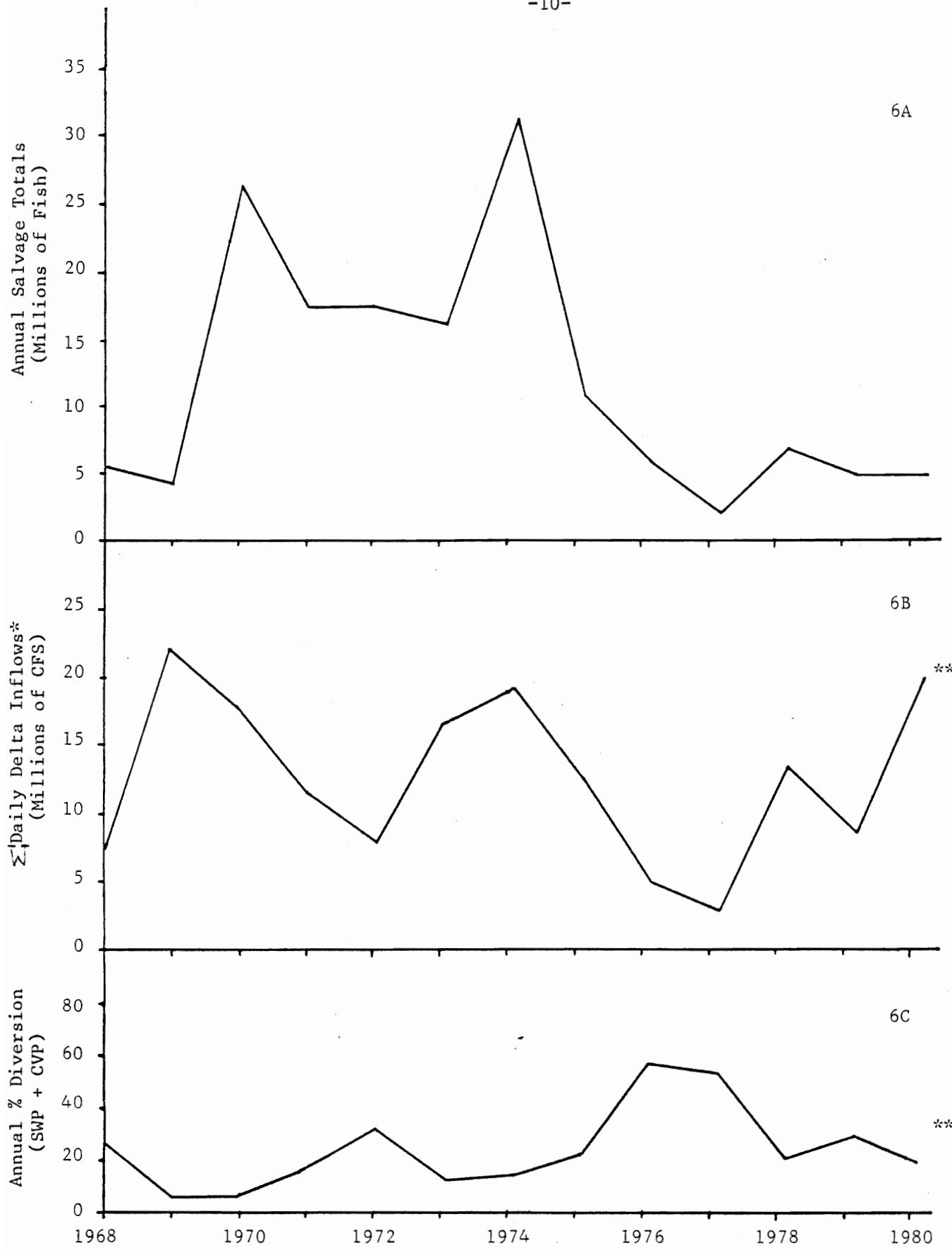


FIGURE 6. Salvage totals, Delta inflow and % diversion - 1968-1980.

* $\frac{\text{Total Inflow} - \text{Outflow}}{\text{Total Inflow}}$

** 1980 values linearly extrapolated from January to September data.

The numbers of fish salvaged varies considerably from year to year. The total increased dramatically during the first years of operation from 5 million fish in 1968 to 31 million fish in 1974. By 1976, the salvage totals had dropped to approximately the same level as 1968 and remained low through 1980.

Water diversions from the Delta have increased since the CVP began operations in 1951 (189,595 acre-feet exported). Combined CVP and SWP exports totaled 3,163,003 acre-feet when the SWP began exporting in 1968 and rose to a total of 4,546,761 acre-feet by 1980. This has resulted in a greater percentage of Delta inflow being diverted (Figure 6B, C).

Water temperatures have been recorded at the facility for most years of operation. Resulting summer highs and winter lows produce a stable sinusoidal plot (Figure 7).

Chinook Salmon

Annual totals have varied from 18,870 (1971) to 141,803 (1974) salmon with a mean of 65,284. Numbers of salmon entering the facility generally are highest in May and average 90 mm (3.5 in.) total length (TL) although significant numbers of smaller fish are salvaged in the early months of wetter years. Abundance (fish per acre-foot) has varied considerably since 1968 (Figure 8).

Striped Bass

Annual salvage totals of striped bass have varied between 593,852 (1977) and 24,888,305 (1974) bass with a mean of 7,381,655. By far, the highest monthly totals are during June, July, and August when the young-of-the-year are present throughout the Delta and are drawn toward the export pumps. The number of fish salvaged depends partially on louver efficiency. Absolute bass abundance and Delta outflow are also important. Abundance has decreased dramatically since 1975 (Figure 9).

White Catfish

The annual total of white catfish salvaged peaked in 1970 at 1,977,791 fish and gradually declined to an all-time low of 30,828 fish in 1977. Since 1977, annual totals have remained between 200,000 and 340,000 fish. Abundance figures also reflect this decline (Figure 10).

American Shad

Annual salvage totals of American shad have varied between 64,619 (1969) and 3,049,533 (1975) fish with a mean of 803,238. The largest number of American

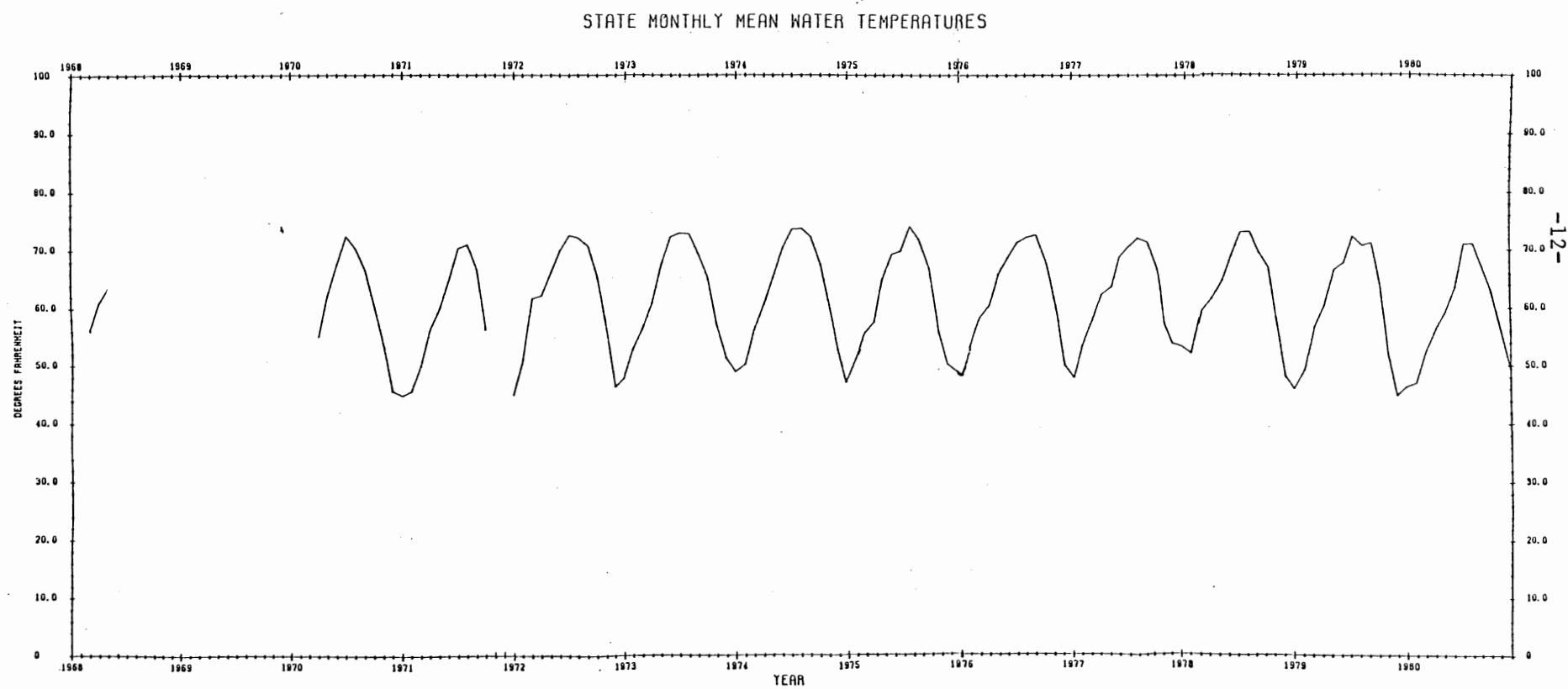


FIGURE 7. Monthly mean water temperatures at the John E. Skinner Delta Fish Protective Facility.

STATE ACRE FEET AND FISH PER ACRE FOOT FOR CHINOOK SALMON

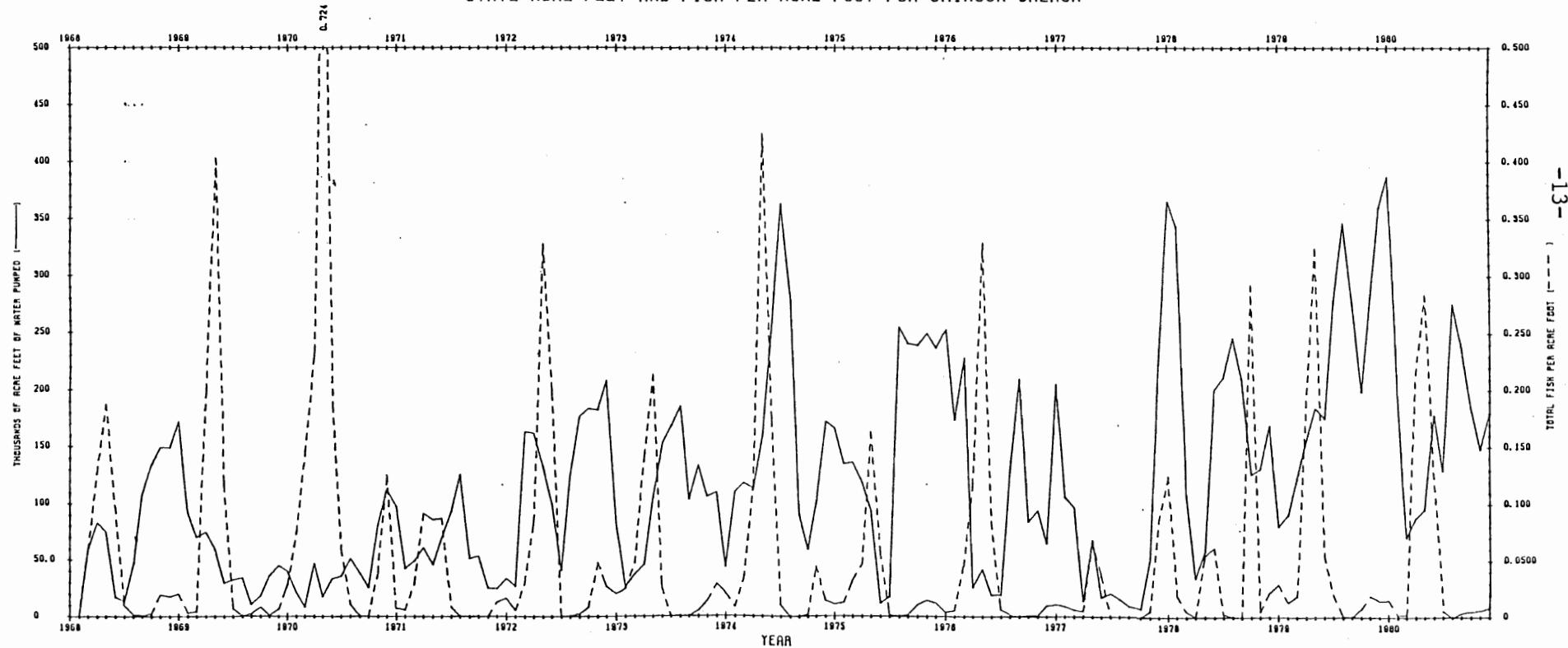


FIGURE 8. Acre-feet exported and fish per acre-foot for chinook salmon at the John E. Skinner Delta Fish Protective Facility.

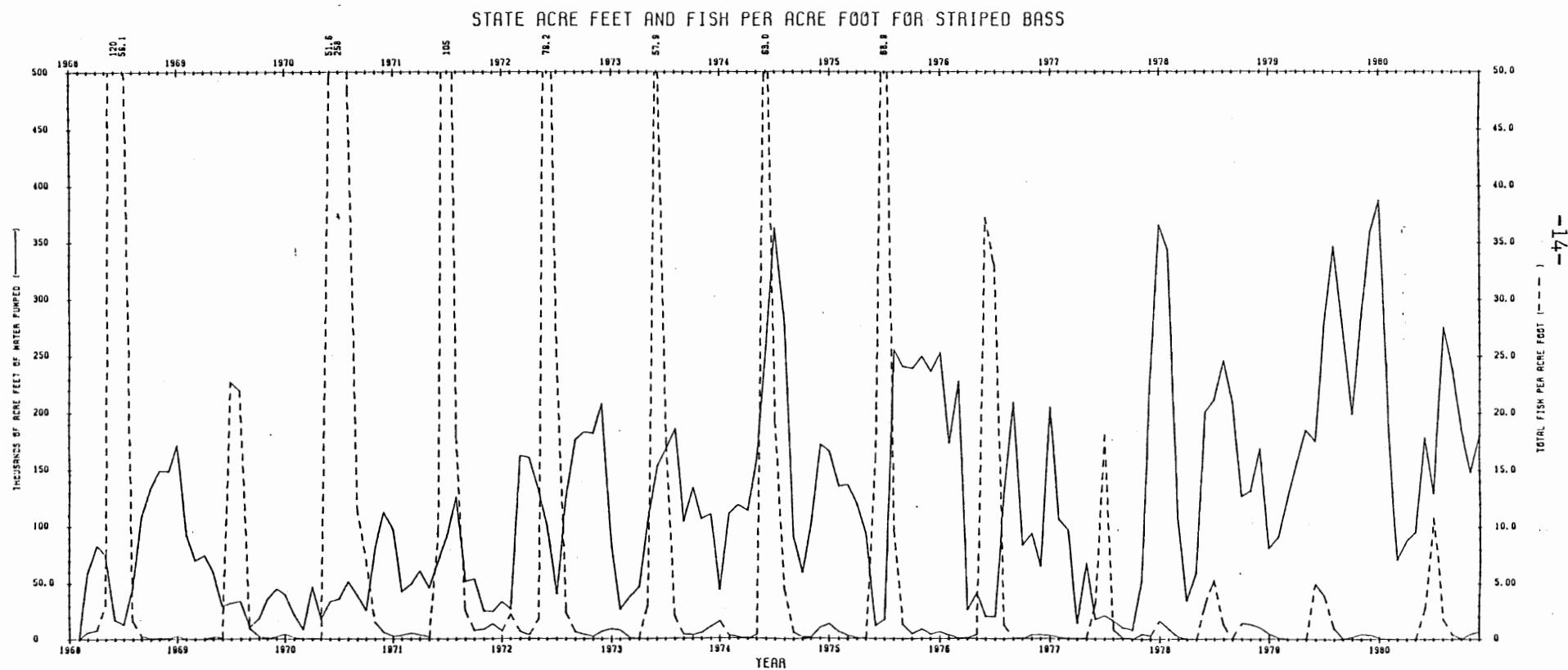


FIGURE 9. Acre-feet exported and fish per acre-foot for striped bass at the John E. Skinner Delta Fish Protective Facility.

STATE ACRE FEET AND FISH PER ACRE FOOT FOR WHITE CATFISH

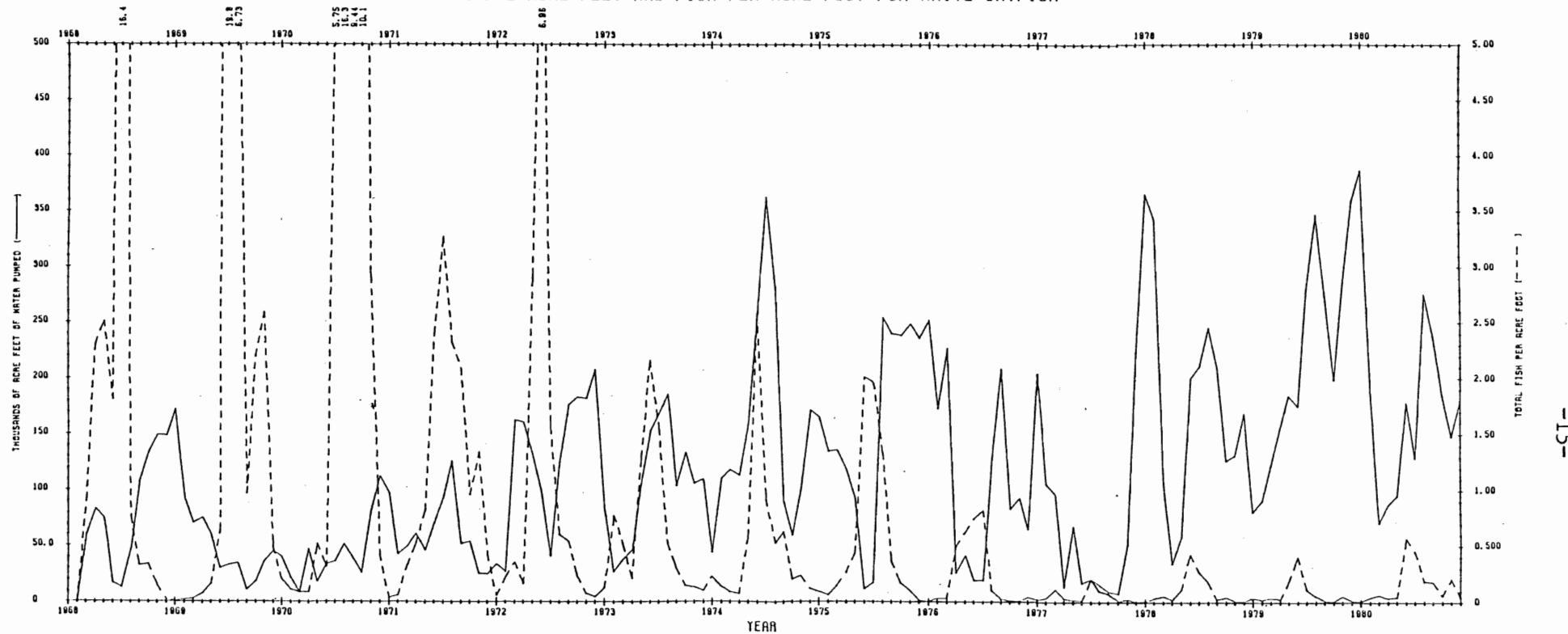


FIGURE 10. Acre-feet exported and fish per acre-foot for white catfish at the John E. Skinner Delta Fish Protective Facility.

shad are observed in July and August as the young move through the Delta. There does not appear to be any relationship between Delta inflow and American shad abundance. The highest abundance (fish/acre-feet) occurred in 1975-77 (Figure 11).

Threadfin Shad

Annual salvage totals of threadfin shad have been quite variable with an historical low of 389,664 in 1974 and a high of 8,910,378 in 1970. The thirteen-year average is 1,921,045 fish. The largest number of threadfin shad are observed in the summer and early fall. Both abundance (Figure 12) and salvage totals have been variable since 1968.

Smelt

Both longfin smelt, Spirinchus thaleichthys, and Delta smelt are salvaged at the facility. Nineteen seventy-one was the only year in which there were more longfin than Delta smelt salvaged. In all other years, Delta smelt are collected in far greater numbers ranging from 1,169,825 fish (1974) to 21,597 fish (1979). Peak occurrences of Delta smelt are in July while those of longfin smelt are in June. Both abundance (Figure 13) and salvage totals of Delta smelt show a decline since the mid-70's.

Inland Silverside

Inland silverside, Menidia beryllina (recently renamed from Mississippi silverside, M. audens), have only recently been observed in the Delta (Meinz and Mecum 1977) and were not collected at the facility prior to 1975. Peak occurrences are in December. Annual totals increased from 2 (1975) to 37,347 (1978) fish. The 1979 and 1980 totals were slightly lower.

Yellowfin Goby

Annual totals of yellowfin goby, Acanthogobius flavimanus, have ranged from 0 (1968) to 363,644 (1978) with a mean of 51,443. Peak occurrences are typically observed in October. Also called the Japanese or Oriental goby, this fish was collected in increasing numbers until 1978. Since that time, catches have declined.

Sturgeon

Both white, Acipenser transmontanus, and green, A. medirostris, sturgeon have been collected at the facility. White sturgeon have always been collected

STATE ACRE FEET AND FISH PER ACRE FOOT FOR AMERICAN SHAD

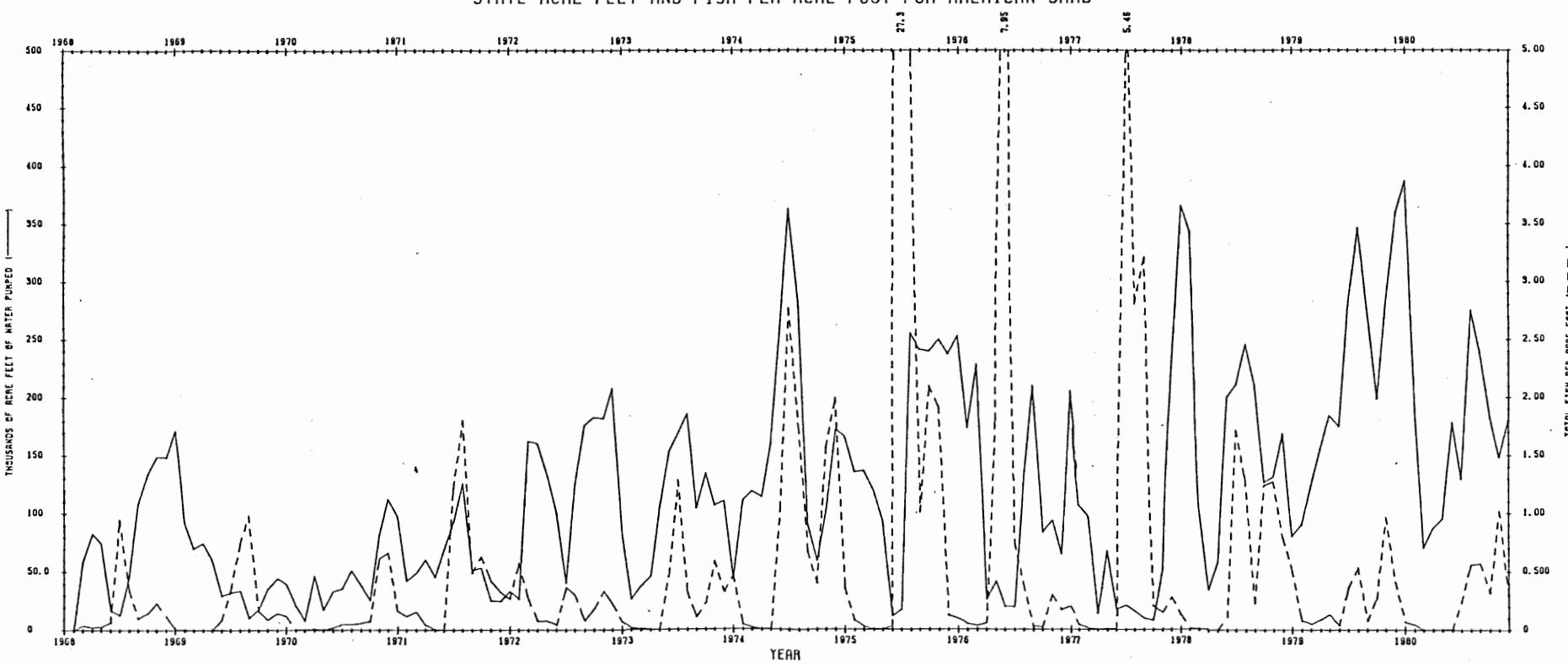


FIGURE 11. Acre-feet exported and fish per acre-foot for American shad at the John E. Skinner Delta Fish Protective Facility.

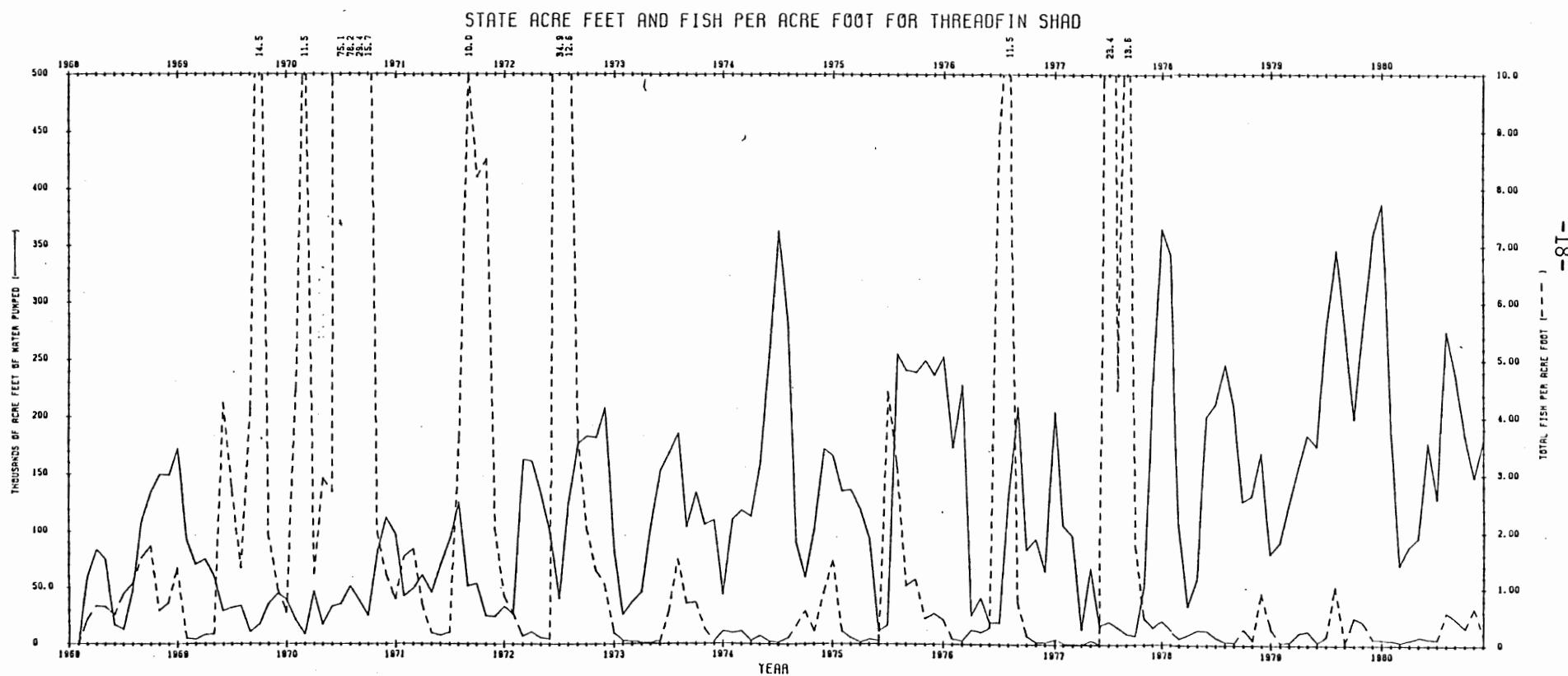


FIGURE 12. Acre-feet exported and fish per acre-foot for threadfin shad at the John E. Skinner Delta Fish Protective Facility.

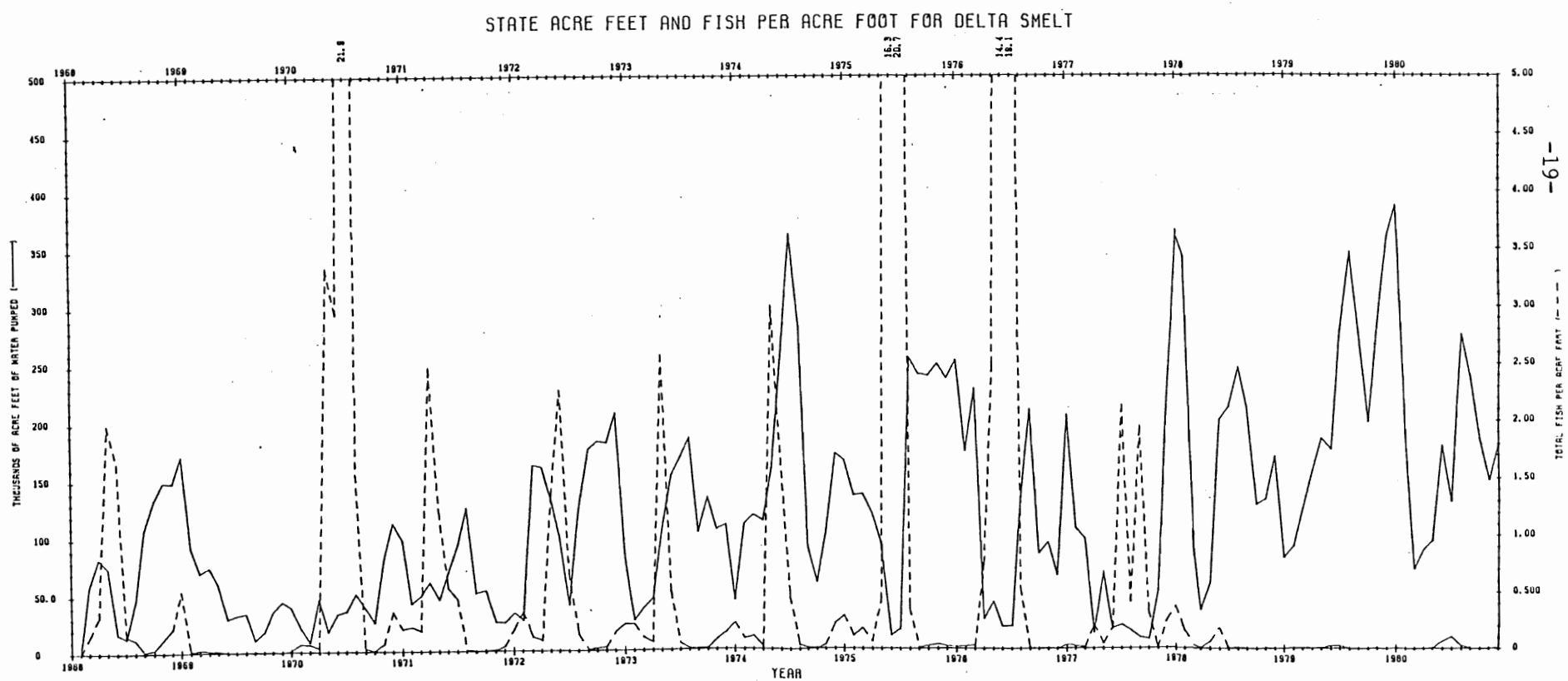


FIGURE 13. Acre-feet exported and fish per acre-foot for Delta smelt at the John E. Skinner Delta Fish Protective Facility.

in greater numbers except in 1974 when 7,311 green sturgeon were salvaged compared to 2,239 white sturgeon. Annual salvage totals for white sturgeon have ranged from 132 (1977) to 5,953 (1978). Peak occurrences of both white and green sturgeon are typically observed in August. While green sturgeon totals peaked in 1974 and have since declined, white sturgeon totals have shown no trends.

Cyprinids

Cyprinids collected at the facility include Sacramento splittail, Pogonichthys macrolepidotus, carp, Cyprinus carpio, hardhead, Mylopharodon conocephalus, hitch, Lavinia exilicauda, goldfish, Carassius auratus, golden shiner, Notemigonus crysoleucas, Sacramento blackfish, Orthodon microlepidotus, and Sacramento squawfish, Ptychocheilus grandis, in order of decreasing mean annual salvage total. Tui chub, Gila bicolor, have not been reported since 1968. Annual totals for cyprinids have ranged between 0 and 484,212 fish. Generally peak numbers of cyprinids occur from April to August although occasionally large numbers are collected from November to February. Only Sacramento blackfish show a definite trend over the past thirteen years from an annual mean of 1,099 fish in 1968-69 to 19 fish in 1979-80. Annual totals for the other fish fluctuate widely and many have a single year with a very high salvage total. High Sacramento splittail numbers coincide with years of high Delta inflow.

Centrarchids

Centrarchids, or sunfish, include black crappie, Pomoxis nigromaculatus, bluegill, Lepomis macrochirus, largemouth bass, Micropterus salmoides, green sunfish, Lepomis cyanellus, warmouth, Lepomis gulosus, and white crappie, Pomoxis annularis, in order of decreasing mean annual salvage totals. Sacramento perch, Archoplites interruptus, have occasionally been reported but positive identifications have not been made. Smallmouth bass, Micropterus dolomieu, occur in the south Delta, however, they have not been reported at the State facility.

During the first two years of operations, some sunfish were grouped under the heading "Sunfish" but have since been separated by species (Appendix 1). Annual salvage totals have ranged from 0 fish to 5,689 fish. Generally, peak occurrences for all centrarchids run from March to August although significant numbers of green sunfish, black crappie, and bluegill have been recorded from September to December. Black crappie, green sunfish, and largemouth bass annual totals have decreased over the past thirteen years. Salvage totals for the other centrarchids have fluctuated and not shown any definite trends.

FUTURE PLANS

Phase II

The FPF was built with the flexibility for expansion in anticipation of future increased water exports. In 1981, construction began to expand the number of primary bays from four to seven and to add a new secondary channel. Centerwalls will be added to all primary channels and perforated plates will be installed in the new secondary channel in place of louvers. A microprocessor will control facility operation as well as provide a direct data entry system. As currently designed, flows and depths will be monitored and automatically displayed and stored. Fish counts and measurements will be entered by the operator via a peripheral terminal.

Peripheral Canal

If the proposed Peripheral Canal is constructed, present planning assumes the FPF will be taken out of service since fish screening operations will be conducted at the canal intake near Hood. The facility will only be used if water is drawn into the facility via the radial gates on Clifton Court Forebay.

SPECIAL STUDIES

In addition to the facility evaluation, other studies have been conducted to better understand the factors that influence salvage rates. In 1976, Schaffter (1978) conducted the first of two determinations of predation in Clifton Court Forebay using 7,500 marked chinook salmon smolts. In 1978, Hall (1980) used over 20,000 chinook salmon fingerlings to confirm Schaffter's conclusions. Both studies revealed substantial losses of smolts in Clifton Court Forebay.

A brief study was conducted in 1978 to determine the effects of the yard lights on salvage efficiency. Over 700,000 fish were salvaged during the test period, and results showed there was a significant ($P < 0.05$) increase in the salvage rates with the yard lights off for American shad but not for striped bass or white catfish. Additional tests were scheduled to verify these results.

Mecum (1980) reported the results of a one-year creel census program on Clifton Court Forebay. He found a catch rate for white catfish of 0.39 fish/ angler hr which compares favorably with other areas in central California.

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APPENDIX 1. ANNUAL TOTALS FOR STATE FACILITY

SPECIES	GRAND TOTAL	1968	1969	1970	1971	1972	1973	1974	1975
CHINOOK SALMON	848686	35506	47026	53542	18870*	97736	42226	141803*	38562
STEELHEAD RAINBOW TROUT	31885	1990	337*	522	948	2877	533	1592	4365
STRIPED BASS	95961515	3274866	1583170	14218048	12916322	10076258	12813243	24888305*	4907898
WHITE CATFISH	10325017	810910	1071564	1977791*	1052228	1473498	960285	1397827	674826
BROWN BULLHEAD	1783	24	4	592*	36	0*	150	170	98
CHANNEL CATFISH	246982	3492	36691	7718	12998	8319	24807	29706	21384
AMERICAN SHAD	10442089	118308	64619*	140357	448499	302354	494868	2378216	3049533*
THREADFIN SHAD	24973581	796382	940160	8910378*	1975810	4593775	613213	389664*	1962480
SACRAMENTO SPLITTAIL	1255398	900*	78974	9783	25128	22466	40357	174432	24759
SACRAMENTO SQUAWFISH	317	48	0*	0	0	40	0	54	16
THREE-SPINE STICKLEBACK	2478	444	12	161	49	40	124	4*	24
HARDHEAD	168656	132	64298	885	847	1021	1607	89290*	1450
GOLDEN SHINER	27080	1650	711	3918*	3269	3114	2241	1875	3588
CARP	220418	2250	198787*	566	631	2170	6428	4904	1017
GOLDFISH	33460	36*	1562	228	507	531	414	777	440
HITCH	45793	12	138	25	12	90	41696*	2631	1146
SACRAMENTO BLACKFISH	17025	840	1358	1635	4971*	2465	448	3874	657
BLACK CRAPPIE	177221	14580	51689*	23061	9021	13334	21284	18549	10919
GREEN SUNFISH	20819	7366*	396	5726	1812	1826	1366	1055	558
WARMOUTH	1034	0*	136	134	168	160	0	28	12
BLUEGILL	77427	6240	1276	24323*	4023	4394	6763	8045	6180
LARGEMOUTH BASS	47621	40504*	1656	2201	696	580	195	488	975
BIGSCALE LOGPERCH	71506	0*	12	589	46	42	2224	2116	29019
TULE PERCH	37739	1020	7705	1453	4999	6820	8168*	2345	2887
LONGFIN SMELT	856454	0*	196	29904	760544*	6273	21	244	389
DELTA SMELT	6012874	275632	99017	1065944	325263	550459	421486	1169825*	802654
WHITE STURGEON	27600	228	1393	518	397	3709	477	2239	4476
GREEN STURGEON	11550	12	0*	13	168	122	140	7311*	2285
PRICKLY SCULPIN	909066	7452	157*	137622	9030	4181	418536*	22672	19984
YELLOWFIN GOBY	668757	0*	138	5860	2427	1689	26618	5030	5943
MISSISSIPPI SILVERSIDE	118177	0*	0	0	0	0	0	0	2
STARRY FLOUNDER	37363	300	198	13118*	1368	2199	2000	5325	5884
PACIFIC LAMPREY	20315	204	0*	3067	220	5740*	546	510	2302
MOQUITOFISH	6340	552	180	1195	241	282	65	40*	167
YELLOW BULLHEAD	1818	72	0*	0	96	221	20	0	0
SURF SHELL	34	0*	0	0	0	0	0	0	0
STRIPED MULLET	4	0*	0	0	0	0	0	0	0
WHITE CRAPPIE	153	96*	0*	6	0	0	0	0	0
PACIFIC HERRING	35640	0*	0	0	0	0	0	0	0
YELLOW PERCH	12	12*	0*	0	0	0	0	0	0
BLACK BULLHEAD	30	0*	0	0	0	0	0	0	0
SACRAMENTO PERCH **	54	0*	24	0	0	0	0	0	0
TUI CHUB **	84	84*	0*	0	0	0	0	0	0
COHO SALMON	2	0*	0	0	0	0	0	0	0
SUNFISH	28268	11046	17222*	0*	0	0	0	0	0
MISCELLANEOUS	36970	10236	19032*	0*	0	0	0	1552	0
TOTAL CATCH	153807098	5423506	4289838	26640878	17581643	17188783	15952551	30752497*	11586878

* Indicates minimum and maximum values

** Identifications were not confirmed by DFG biologists

APPENDIX 1. ANNUAL TOTALS FOR STATE FACILITY

SPECIES	1976	1977	1978	1979	1980
CHINOOK SALMON	31881	28338	110600	122471	80126
STEELHEAD RAINBOW TROUT	2505	4455	7358*	2533	1871
STRIPED BASS	1825395	593852*	3510094	2658325	2695739
WHITE CATFISH	110816	30828*	231504	201768	331172
BROWN BULLHEAD	244	10	5	38	412
CHANNEL CATFISH	6942	1787*	6684	34135	52317*
AMERICAN SHAD	380521	300917	1259334	885398	619164
THREADFIN SHAD	2018349	806819	588942	791667	585901
SACRAMENTO SPOTTAIL	3218	2082	484212*	89676	299413
SACRAMENTO SQUAWFISH	1	0	46	107*	5
THREE-SPINE STICKLEBACK	43	262	835*	355	125
HARDHEAD	415	86*	6779	485	1362
GOLDEN SHINER	422	143*	3354	2411	383
CARP	165*	256	1083	531	1630
GOLDFISH	91	37	24848*	264	3726
HITCH	4	0*	0	39	0
SACRAMENTO BLACKFISH	141	179	419	38	0*
BLACK CRAPPIE	2727	759*	5546	2194	3557
GREEN BUNFISH	325	38*	69	133	149
WARMOUTH	2	6	217*	110	61
BLUEGILL	2709	838*	5797	2258	4581
LARGEHOUTH BASS	44	30	43	142	27
BIGSCALE LOGPERCH	33491*	2227	668	997	75
TULE PERCH	279	161*	348	888	665
LONGPIN SMELT	379	39683	3498	5981	9342
DELTA SMELT	856118	145935	237576	21597*	41371
WHITE STURGEON	370	132*	5953*	1880	5828
GREEN STURGEON	240	14	767	423	55
PRICKLY SCULPIN	265065	5224	14669	2290	2184
YELLOWFIN GODY	1464	23032	363644*	123943	108970
MISSISSIPPI SILVERSIDE	291	16042	37347*	33800	30695
STARRY FLOUNDER	579	95*	253	3437	2606
PACIFIC LAMPREY	539	517	4005	2391	273
MOSQUITOFISH	1039	212	1618*	334	414
YELLOW BULLHEAD	0	22	6	9	1373*
SURF SMELT	0	30*	0	4	0
STRIPED MULLET	0	4*	0	0	0
WHITE CRAPPIE	0	0	57	0	0
PACIFIC HERRING	0	38640*	0	0	0
YELLOW PERCH	0	0	0	0	0
BLACK BULLHEAD	0	0	0	0	30*
SACRAMENTO PERCH	0	0	0	30*	0
TUI CHUB	0	0	0	0	0
COHO SALMON	0	0	0	2*	0
BUNFISH	0	0	0	0	0
MISCELLANEOUS	0	0	360	5790	0
TOTAL CATCH	5546772	2040693*	6918579	4998675	4885603

APPENDIX 2. SUMMARY OF MEAN MONTHLY EXPORTS AND SALVAGE TOTALS, PERCENTS AND FISH-PER-ACRE-FOOT FOR THE STATE FACILITY 1968-1980

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
MEAN A.F. PUMPED	160327	112941	97457	78557	87290	97183	109416	162942	135805	111310	125859	158041	1416107
CHINOOK SALMON	5602	1308	2717	10095	23957	10233	1073	99	149	3455	2422	4705	65284
MEAN FISH/A.F.	0.0349	0.0116	0.0279	0.1285	0.2745	0.1053	0.0098	0.0006	0.0011	0.0310	0.0192	0.0298	0.0461
MONTHLY %	2.02%	1.11%	3.29%	10.35%	6.36%	0.28%	0.03%	0.00%	0.03%	0.95%	0.73%	1.57%	0.55%
STEELHEAD RAINBOW TROUT	99	681	715	389	187	111	96	0	14	4	15	201	2453
MEAN FISH/A.F.	0.0006	0.0060	0.0073	0.0050	0.0021	0.0011	0.0009	0.0000	0.0001	0.0000	0.0001	0.0013	0.0017
MONTHLY %	0.04%	0.58%	0.87%	0.40%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.07%	0.02%
STRIPED BASS	112475	49195	20154	12194	69081	3111436	2850502	861384	96122	52949	69224	89375	7381655
MEAN FISH/A.F.	0.7015	0.4356	0.2068	0.1552	0.7914	32.0163	26.0519	5.2864	0.7078	0.4757	0.5500	0.5655	5.2126
MONTHLY %	40.65%	41.68%	24.43%	12.50%	18.35%	85.47%	75.06%	42.95%	20.50%	14.53%	20.75%	29.79%	62.39%
WHITE CATFISH	5600	7481	16510	25340	75058	170494	170514	167497	65243	40646	39598	11256	794232
MEAN FISH/A.F.	0.0349	0.0662	0.1694	0.3226	0.8599	1.7544	1.5584	1.0280	0.4804	0.3652	0.3146	0.0712	0.5609
MONTHLY %	2.02%	6.34%	20.02%	25.97%	19.93%	4.68%	4.49%	8.35%	13.91%	11.16%	11.87%	3.75%	6.71%
BROWN BULLHEAD	34	1	3	12	14	12	39	24	0	0	0	0	137
MEAN FISH/A.F.	0.0002	0.0000	0.0000	0.0002	0.0002	0.0001	0.0004	0.0001	0.0000	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.01%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CHANNEL CATFISH	995	483	387	333	1383	2288	5511	2862	1546	846	1896	581	18999
MEAN FISH/A.F.	0.0062	0.0043	0.0040	0.0042	0.0158	0.0235	0.0304	0.0176	0.0114	0.0076	0.0151	0.0037	0.0134
MONTHLY %	0.36%	0.41%	0.47%	0.34%	0.37%	0.06%	0.15%	0.14%	0.33%	0.23%	0.57%	0.19%	0.16%
AMERICAN SHAD	24476	5669	5730	2648	8969	41035	190171	220096	47512	70820	114179	74252	803238
MEAN FISH/A.F.	0.1527	0.0502	0.0588	0.0337	0.1027	0.4222	1.7380	1.3508	0.3499	0.6362	0.9072	0.4698	0.5672
MONTHLY %	8.85%	4.80%	6.95%	2.71%	2.38%	1.13%	5.01%	10.97%	10.13%	19.44%	34.23%	24.75%	6.79%
THREADFIN SHAD	81837	30989	24386	21133	20033	26745	395172	717299	252497	179421	91783	88428	1921045
MEAN FISH/A.F.	0.5104	0.2744	0.2502	0.2690	0.2295	0.2752	3.6116	4.4022	1.6593	1.6119	0.7293	0.5595	1.3566
MONTHLY %	29.58%	26.25%	29.56%	21.66%	5.32%	0.73%	10.41%	35.77%	53.84%	49.25%	27.52%	29.47%	16.24%
SACRAMENTO SPLITTAIL	5730	6997	2020	838	16078	56916	6570	1817	258	39	41	243	96569
MEAN FISH/A.F.	0.0357	0.0619	0.0207	0.0107	0.1842	0.5857	0.0600	0.0112	0.0019	0.0003	0.0003	0.0015	0.0682
MONTHLY %	2.07%	5.93%	2.45%	0.86%	4.27%	1.56%	0.17%	0.09%	0.06%	0.01%	0.01%	0.08%	0.82%
SACRAMENTO SQUAWFISH	0	0	8	7	3	0	4	1	1	0	0	0	24
MEAN FISH/A.F.	0.0000	0.0000	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

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APPENDIX 2. SUMMARY OF MEAN MONTHLY EXPORTS AND SALVAGE TOTALS, PERCENTS AND FISH=PER=ACRE=FOOT FOR THE STATE FACILITY 1968-1980

APPENDIX 2. SUMMARY OF MEAN MONTHLY EXPORTS AND SALVAGE TOTALS, PERCENTS AND FISH=PER=ACRE=FOOT FOR THE STATE FACILITY 1968-1980

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
BLUEGILL	196	383	419	297	747	814	512	1899	267	169	173	125	5956
MEAN FISH/AF	0.0012	0.0034	0.0043	0.0038	0.0086	0.0084	0.0047	0.0117	0.0020	0.0015	0.0014	0.0008	0.0042
MONTHLY %	0.07%	0.32%	0.51%	0.30%	0.20%	0.02%	0.01%	0.09%	0.06%	0.05%	0.05%	0.04%	0.05%
LARGEHOUTH BASS	0	2	4	2	3180	55	239	165	12	3	1	2	3663
MEAN FISH/AF	0.0000	0.0000	0.0000	0.0000	0.0364	0.0006	0.0022	0.0010	0.0001	0.0000	0.0000	0.0000	0.0026
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.84%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.03%
BIGSCALE LOGPERCH	18	51	12	8	554	4029	706	37	1	1	13	76	5500
MEAN FISH/AF	0.0001	0.0005	0.0001	0.0001	0.0063	0.0415	0.0065	0.0002	0.0000	0.0000	0.0001	0.0005	0.0039
MONTHLY %	0.01%	0.04%	0.01%	0.01%	0.15%	0.11%	0.02%	0.00%	0.00%	0.00%	0.00%	0.03%	0.05%
TULE PERCH	3	7	27	35	1836	658	214	53	39	15	4	12	2903
MEAN FISH/AF	0.0000	0.0001	0.0003	0.0004	0.0210	0.0068	0.0020	0.0003	0.0003	0.0001	0.0000	0.0001	0.0020
MONTHLY %	0.00%	0.01%	0.03%	0.04%	0.49%	0.02%	0.01%	0.00%	0.01%	0.00%	0.00%	0.00%	0.02%
LONGFIN SMELT	354	114	49	262	4167	55739	4801	44	54	16	25	294	65881
MEAN FISH/AF	0.0022	0.0010	0.0005	0.0033	0.0477	0.5735	0.0439	0.0003	0.0004	0.0001	0.0002	0.0019	0.0465
MONTHLY %	0.13%	0.10%	0.06%	0.27%	1.11%	1.53%	0.13%	0.00%	0.01%	0.00%	0.01%	0.10%	0.56%
DELTA SMELT	29010	9548	7404	17844	103681	109904	140157	22439	2205	1674	4222	17408	462529
MEAN FISH/AF	0.1409	0.0845	0.0760	0.2271	1.1878	1.1309	1.2809	0.1377	0.0162	0.0150	0.0335	0.1101	0.3266
MONTHLY %	10.49%	8.09%	8.98%	18.29%	27.53%	3.02%	3.69%	1.12%	0.47%	0.46%	1.27%	5.80%	3.91%
WHITE STURGEON	8	20	19	56	38	234	389	684	344	70	149	115	2123
MEAN FISH/AF	0.0000	0.0002	0.0002	0.0007	0.0004	0.0024	0.0036	0.0042	0.0025	0.0006	0.0012	0.0007	0.0015
MONTHLY %	0.00%	0.02%	0.02%	0.06%	0.01%	0.01%	0.01%	0.03%	0.07%	0.02%	0.04%	0.04%	0.02%
GREEN STURGEON	23	0	12	5	13	51	79	423	81	37	89	77	888
MEAN FISH/AF	0.0001	0.0000	0.0001	0.0001	0.0002	0.0005	0.0007	0.0026	0.0006	0.0003	0.0007	0.0005	0.0006
MONTHLY %	0.01%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.02%	0.02%	0.01%	0.03%	0.03%	0.01%
PRICKLY SCULPIN	355	144	238	3898	37220	19697	6982	877	98	83	125	251	69928
MEAN FISH/AF	0.0022	0.0013	0.0024	0.0496	0.4264	0.2027	0.0638	0.0054	0.0007	0.0007	0.0010	0.0016	0.0494
MONTHLY %	0.13%	0.12%	0.29%	4.00%	9.88%	0.54%	0.18%	0.04%	0.02%	0.02%	0.04%	0.08%	0.59%
YELLOWFIN GOBY	4361	1554	128	20	570	9204	3850	1344	1009	13058	7756	9043	51443
MEAN FISH/AF	0.0272	0.0138	0.0013	0.0003	0.0065	0.0947	0.0352	0.0082	0.0074	0.1173	0.0616	0.0572	0.0363
MONTHLY %	1.58%	1.32%	0.16%	0.02%	0.15%	0.25%	0.10%	0.07%	0.22%	3.58%	2.33%	3.01%	0.43%

APPENDIX 2. SUMMARY OF MEAN MONTHLY EXPORTS AND SALVAGE TOTALS, PERCENTS AND FISH-PER-ACRE-FOOT FOR THE STATE FACILITY 1968-1980

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
MISSISSIPPI SILVERBIDE	2366	877	155	37	49	716	479	1013	145	278	584	2641	9091
MEAN FISH/AF	0.0148	0.0078	0.0016	0.0005	0.0006	0.0074	0.0044	0.0062	0.0011	0.0025	0.0046	0.0167	0.0064
MONTHLY %	0.86%	0.74%	0.19%	0.04%	0.01%	0.02%	0.01%	0.05%	0.03%	0.08%	0.18%	0.88%	0.08%
STARRY FLOUNDER	0	2	8	54	393	1150	1010	230	22	2	5	0	2874
MEAN FISH/AF	0.0000	0.0000	0.0001	0.0007	0.0045	0.0118	0.0092	0.0014	0.0002	0.0000	0.0000	0.0000	0.0020
MONTHLY %	0.00%	0.00%	0.01%	0.06%	0.10%	0.03%	0.03%	0.01%	0.00%	0.00%	0.00%	0.00%	0.02%
PACIFIC LAMPREY	536	225	91	420	217	8	79	0	0	13	0	32	1563
MEAN FISH/AF	0.0033	0.0020	0.0009	0.0054	0.0025	0.0001	0.0007	0.0000	0.0000	0.0001	0.0000	0.0002	0.0011
MONTHLY %	0.19%	0.19%	0.11%	0.43%	0.06%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%
MOSQUITOFISH	15	52	41	36	65	10	38	164	21	27	10	14	488
MEAN FISH/AF	0.0001	0.0005	0.0004	0.0005	0.0007	0.0001	0.0003	0.0010	0.0002	0.0002	0.0001	0.0001	0.0003
MONTHLY %	0.01%	0.04%	0.05%	0.04%	0.02%	0.00%	0.00%	0.01%	0.00%	0.01%	0.00%	0.00%	0.00%
YELLOW BULLHEAD	10	5	9	3	19	84	6	0	5	0	0	0	140
MEAN FISH/AF	0.0001	0.0000	0.0001	0.0000	0.0002	0.0009	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.00%	0.00%	0.01%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SURF SMELT	0	0	2	0	0	0	0	0	0	0	0	0	3
MEAN FISH/AF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
STRIPED MULLET	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN FISH/AF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
WHITE CRAPPIE	0	0	6	1	0	0	0	0	0	0	0	4	12
MEAN FISH/AF	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PACIFIC HERRING	0	0	2	160	1373	490	717	0	0	0	0	0	2742
MEAN FISH/AF	0.0000	0.0000	0.0000	0.0020	0.0157	0.0050	0.0065	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019
MONTHLY %	0.00%	0.00%	0.00%	0.16%	0.36%	0.01%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%
YELLOW PERCH	0	0	1	0	0	0	0	0	0	0	0	0	1
MEAN FISH/AF	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

APPENDIX 2. SUMMARY OF MEAN MONTHLY EXPORTS AND SALVAGE TOTALS, PERCENTS AND FISH=PER=ACRE=FOOT FOR THE STATE FACILITY 1968-1980

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
BLACK BULLHEAD													
MEAN FISH/AF	0	0	0	0	0	0	0	2	0	0	0	0	2
MONTHLY %	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SACRAMENTO PERCH													
MEAN FISH/AF	0	0	0	2	0	0	0	0	0	0	2	4	
MONTHLY %	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TUI CHUB													
MEAN FISH/AF	0	0	0	5	2	0	0	0	0	0	0	0	6
MONTHLY %	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
COHO SALMON													
MEAN FISH/AF	0	0	0	0	0	0	0	0	0	0	0	0	0
MONTHLY %	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SUNFISH													
MEAN FISH/AF	185	172	90	107	176	480	347	373	75	28	134	34	2174
MONTHLY %	0.0012	0.0015	0.0009	0.0014	0.0020	0.0049	0.0032	0.0023	0.0006	0.0002	0.0011	0.0002	0.0015
MISCELLANEOUS													
MEAN FISH/AF	560	117	153	109	836	480	46	78	28	16	165	307	2844
MONTHLY %	0.0035	0.0010	0.0016	0.0014	0.0096	0.0049	0.0004	0.0005	0.0002	0.0001	0.0013	0.0019	0.0020
TOTAL CATCH													
MEAN FISH/AF	276671	118037	82490	97558	376543	3640268	3797796	2005454	468951	364316	333545	300049	11831315
MONTHLY %	1.7257	1.0451	0.8464	1.2419	4.3137	37.4579	34.7096	12.3078	3.4531	3.2730	2.6501	1.8986	8.3548

APPENDIX 3. 1968 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
ACRE-FEET PUMPED	0	0	58985	82904	74639	16911	12700	46500	108315	133966	148938	148342	832200
CHINOOK SALMON	0	0	3466	10548	13980	1632	120	60	72	300	2772	2556	35506
CATCH/A.F.	0.0000	0.0000	0.0588	0.1272	0.1873	0.0965	0.0094	0.0013	0.0007	0.0022	0.0186	0.0172	0.0427
MONTHLY %	0.00%	0.00%	2.4%	2.91%	2.03%	0.08%	0.01%	0.03%	0.03%	0.10%	1.44%	1.36%	0.65%
STEELHEAD RAINBOW TROUT	0	0	766	744	348	84	0	0	12	0	12	24	1990
CATCH/A.F.	0.0000	0.0000	0.0130	0.0090	0.0047	0.0050	0.0000	0.0000	0.0001	0.0000	0.0001	0.0002	0.0024
MONTHLY %	0.00%	0.00%	0.55%	0.21%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.04%
STRIPED BASS	0	0	36018	66120	227712	2036400	750006	74310	31572	11460	20724	20744	3274866
CATCH/A.F.	0.0000	0.0000	0.6106	0.7975	3.0508	120.4187	59.0556	1.5981	0.2915	0.0855	0.1391	0.1385	3,9352
MONTHLY %	0.00%	0.00%	25.68%	18.24%	33.01%	96.19%	75.86%	40.31%	12.77%	3.65%	10.79%	10.90%	60.38%
WHITE CATFISH	0	0	53794	190968	187296	30576	208818	34818	34728	44760	22284	3168	810910
CATCH/A.F.	0.0000	0.0000	0.9120	2.3035	2.5094	1.8081	16.4428	0.7423	0.3206	0.3341	0.1496	0.0214	0.9744
MONTHLY %	0.00%	0.00%	38.66%	52.67%	27.15%	1.44%	21.12%	18.72%	14.04%	14.25%	11.60%	1.68%	14.95%
BROWN BULLHEAD	0	0	0	24	0	0	0	0	0	0	0	0	24
CATCH/A.F.	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CHANNEL CATFISH	0	0	292	432	1152	456	216	204	108	324	240	108	3492
CATCH/A.F.	0.0000	0.0000	0.0043	0.0052	0.0154	0.0270	0.0170	0.0044	0.0010	0.0024	0.0016	0.0007	0.0042
MONTHLY %	0.00%	0.00%	0.18%	0.12%	0.17%	0.02%	0.02%	0.11%	0.04%	0.10%	0.12%	0.06%	0.06%
AMERICAN SHAD	0	0	2316	2028	2100	1104	12084	15684	11124	19656	34464	17748	118308
CATCH/A.F.	0.0000	0.0000	0.0393	0.0245	0.0281	0.0653	0.9515	0.3373	0.1027	0.1467	0.2314	0.1196	0.1422
MONTHLY %	0.00%	0.00%	1.66%	0.56%	0.30%	0.05%	1.22%	8.51%	4.50%	6.26%	17.94%	9.42%	2.18%
THREADFIN SHAD	0	0	26210	56400	49356	8868	11334	49650	165444	232164	88944	108012	796382
CATCH/A.F.	0.0000	0.0000	0.4444	0.6803	0.6613	0.5244	0.8924	1.0677	1.5274	1.7330	0.5972	0.7281	0.9570
MONTHLY %	0.00%	0.00%	18.84%	15.56%	7.16%	0.02%	1.15%	26.93%	66.90%	73.90%	46.31%	57.31%	14.68%
SACRAMENTO SPLITTAIL	0	0	60	432	312	96	0	0	0	0	0	0	900
CATCH/A.F.	0.0000	0.0000	0.0010	0.0052	0.0042	0.0057	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011
MONTHLY %	0.00%	0.00%	0.04%	0.12%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%
SACRAMENTO SQUAWFISH	0	0	36	12	0	0	0	0	0	0	0	0	48
CATCH/A.F.	0.0000	0.0000	0.0006	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

APPENDIX 3. 1968 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
THREE SPINE STICKLEBACK													
CATCH/A.F.	0	0	0	276	168	0	0	0	0	0	0	0	444
MONTHLY %	0.000	0.000	0.000	0.0033	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
HARDHEAD													
CATCH/A.F.	0	0	0	0	24	0	72	0	36	0	0	0	132
MONTHLY %	0.000	0.000	0.000	0.000	0.0003	0.0000	0.0057	0.0000	0.0003	0.0000	0.0000	0.0000	0.0002
GOLDEN SHINER													
CATCH/A.F.	0	0	36	792	744	24	6	24	34	0	0	0	1650
MONTHLY %	0.000	0.000	0.0006	0.0096	0.0100	0.0014	0.0005	0.0005	0.0002	0.0000	0.0000	0.0000	0.0020
CARP													
CATCH/A.F.	0	0	156	468	96	108	354	252	468	144	108	96	2250
MONTHLY %	0.000	0.000	0.0026	0.0056	0.0013	0.0064	0.0279	0.0054	0.0043	0.0011	0.0007	0.0006	0.0027
GOLDFISH													
CATCH/A.F.	0	0	0	0	36	0	0	0	0	0	0	0	36
MONTHLY %	0.000	0.000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HITCH													
CATCH/A.F.	0	0	0	0	12	0	0	0	0	0	0	0	12
MONTHLY %	0.000	0.000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SACRAMENTO BLACKFISH													
CATCH/A.F.	0	0	0	12	396	36	48	24	72	24	96	132	840
MONTHLY %	0.000	0.000	0.0000	0.0001	0.0053	0.0021	0.0038	0.0005	0.0007	0.0002	0.0006	0.0009	0.0010
BLACK CRAPPIE													
CATCH/A.F.	0	0	120	1440	4548	3984	1740	1164	720	216	360	288	14580
MONTHLY %	0.000	0.000	0.0020	0.0174	0.0609	0.2356	0.1370	0.0250	0.0066	0.0016	0.0024	0.0019	0.0175
GREEN SUNFISH													
CATCH/A.F.	0	0	1846	2436	2784	240	60	0	0	0	0	0	7366
MONTHLY %	0.000	0.000	0.0313	0.0294	0.0373	0.0142	0.0047	0.0000	0.0000	0.0000	0.0000	0.0000	0.0089
BLUEGILL													
CATCH/A.F.	0	0	3360	1872	924	0	84	0	0	0	0	0	6240
MONTHLY %	0.000	0.000	0.0570	0.0226	0.0124	0.0000	0.0066	0.0000	0.0000	0.0000	0.0000	0.0000	0.0075

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APPENDIX 3. 1968 MONTHLY TOTAL CATCHES FOR STATE FACILITY

APPENDIX 3. 1968 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
WHITE CRAPPIE													
CATCH/A.F.	0	0	84	12	0	0	0	0	0	0	0	0	96
MONTHLY %	0.0000	0.0000	0.0014	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
YELLOW PERCH													
CATCH/A.F.	0	0	12	0	0	0	0	0	0	0	0	0	12
MONTHLY %	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TUI CHUB*													
CATCH/A.F.	0	0	0	60	24	0	0	0	0	0	0	0	84
MONTHLY %	0.0000	0.0000	0.0000	0.0007	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
SUNFISH													
CATCH/A.F.	0	0	0	0	252	4116	1308	1950	876	360	1740	444	11046
MONTHLY %	0.0000	0.0000	0.0000	0.0000	0.0034	0.2434	0.1030	0.0419	0.0081	0.0027	0.0117	0.0030	0.0133
MISCELLANEOUS													
CATCH/A.F.	0	0	1416	252	24	456	360	1020	360	204	2148	3996	10236
MONTHLY %	0.0000	0.0000	0.0240	0.0030	0.0003	0.0270	0.0283	0.0219	0.0033	0.0015	0.0144	0.0269	0.0123
TOTAL CATCH													
CATCH/A.F.	0	0	139150	362568	689772	2117028	988626	184350	247308	314160	192072	188472	5423506
MONTHLY %	0.0000	0.0000	2.3591	4.3733	9.2414	125.1864	77.8446	3.9645	2.2832	2.3451	1.2896	1.2705	6.5171

* Identifications were not confirmed by DFG biologists.

APPENDIX 4. 1969 MONTHLY TOTAL CATCHES FOR STATE FACILITY

APPENDIX 4. 1969 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
HARDHEAD	0	0	7	16	12213	18886	28104	4508	312	192	36	24	64298
CATCH/A.F.	0.0000	0.0000	0.0001	0.0002	0.2038	0.6463	0.8691	0.1320	0.0296	0.0108	0.0010	0.0005	0.0957
MONTHLY %	0.00%	0.00%	0.06%	0.04%	8.94%	6.89%	1.64%	0.42%	0.41%	0.06%	0.02%	0.03%	1.50%
GOLDEN SHINER	0	0	0	2	29	24	356	216	36	36	0	12	711
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0005	0.0008	0.0110	0.0063	0.0034	0.0020	0.0000	0.0003	0.0011
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.02%	0.01%	0.02%	0.02%	0.05%	0.01%	0.00%	0.01%	0.02%
CARP	444	274	102	180	8048	42214	145957	1148	300	48	36	36	198787
CATCH/A.F.	0.0026	0.0030	0.0015	0.0024	0.1343	1.4446	4.5136	0.0336	0.0285	0.0027	0.0010	0.0008	0.2959
MONTHLY %	0.11%	1.35%	0.80%	0.45%	5.89%	15.40%	8.52%	0.11%	0.40%	0.02%	0.02%	0.04%	4.63%
GOLDFISH	240	264	54	0	991	13	0	0	0	0	0	0	1562
CATCH/A.F.	0.0014	0.0029	0.0008	0.0000	0.0165	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023
MONTHLY %	0.06%	1.30%	0.43%	0.00%	0.73%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%
HITCH	0	0	6	0	0	72	12	48	0	0	0	0	138
CATCH/A.F.	0.0000	0.0000	0.0001	0.0000	0.0000	0.0025	0.0004	0.0014	0.0000	0.0000	0.0000	0.0000	0.0002
MONTHLY %	0.00%	0.00%	0.05%	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SACRAMENTO BLACKFISH	516	302	21	3	112	0	0	0	0	284	60	60	1358
CATCH/A.F.	0.0030	0.0033	0.0003	0.0000	0.0019	0.0000	0.0000	0.0000	0.0000	0.0160	0.0017	0.0014	0.0020
MONTHLY %	0.13%	1.48%	0.17%	0.01%	0.08%	0.00%	0.00%	0.00%	0.00%	0.09%	0.03%	0.07%	0.03%
BLACK CRAPPIE	144	54	218	472	15514	17259	6708	5136	444	304	4896	540	51689
CATCH/A.F.	0.0008	0.0006	0.0031	0.0063	0.2589	0.5906	0.2074	0.1503	0.0421	0.0171	0.1383	0.0122	0.0769
MONTHLY %	0.04%	0.27%	1.72%	1.17%	11.36%	6.30%	0.39%	0.48%	0.59%	0.10%	2.84%	0.65%	1.20%
GREEN SUNFISH	0	0	0	0	12	0	0	24	0	228	84	48	396
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0007	0.0000	0.0128	0.0024	0.0011	0.0006
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.07%	0.05%	0.06%	0.01%
WARMOUTH	0	0	0	0	0	24	40	12	12	0	48	0	136
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0012	0.0004	0.0011	0.0000	0.0014	0.0000	0.0002
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.02%	0.00%	0.03%	0.00%	0.00%
BLUEGILL	0	0	0	0	12	0	0	40	132	564	444	84	1276
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0012	0.0125	0.0318	0.0125	0.0019	0.0019
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.17%	0.18%	0.26%	0.10%	0.03%

APPENDIX 4. 1969 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
LARGEMOUTH BASS	0	0	0	0	713	431	464	24	24	0	0	0	1656
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0119	0.0147	0.0143	0.0007	0.0023	0.0000	0.0000	0.0000	0.0025
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.52%	0.16%	0.03%	0.00%	0.03%	0.00%	0.00%	0.00%	0.04%
BIGSCALE LOGPERCH	0	0	0	0	0	0	0	0	0	12	0	0	12
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
TULE PERCH	0	0	0	24	5707	1146	636	84	60	12	12	24	7705
CATCH/A.F.	0.0000	0.0000	0.0000	0.0003	0.0952	0.0392	0.0197	0.0025	0.0057	0.0007	0.0003	0.0005	0.0115
MONTHLY %	0.00%	0.00%	0.00%	0.06%	4.18%	0.42%	0.04%	0.01%	0.08%	0.00%	0.01%	0.03%	0.18%
LONGFIN SMELT	0	0	0	0	0	0	0	0	0	12	184	196	
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0042	0.0003	
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.22%	0.00%	
DELTA SMELT	93492	1007	1973	1326	940	1	24	38	24	0	132	60	99017
CATCH/A.F.	0.5442	0.0110	0.0281	0.0178	0.0157	0.0000	0.0007	0.0011	0.0023	0.0000	0.0037	0.0014	0.1474
MONTHLY %	24.15%	4.95%	15.56%	3.29%	0.69%	0.00%	0.00%	0.00%	0.03%	0.00%	0.08%	0.07%	2.31%
WHITE STURGEON	0	12	7	452	14	36	384	248	84	0	120	36	1393
CATCH/A.F.	0.0000	0.0001	0.0001	0.0061	0.0002	0.0012	0.0119	0.0073	0.0080	0.0000	0.0034	0.0008	0.0021
MONTHLY %	0.00%	0.06%	0.06%	1.12%	0.01%	0.01%	0.02%	0.02%	0.11%	0.00%	0.07%	0.04%	0.03%
PRICKLY SCULPIN	0	0	0	0	13	0	96	12	0	0	12	24	157
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0030	0.0004	0.0000	0.0000	0.0003	0.0005	0.0002
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	0.00%	0.00%	0.00%	0.01%	0.03%	0.00%
YELLOWFIN GOBY	0	90	0	0	0	0	0	0	0	0	24	24	138
CATCH/A.F.	0.0000	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0002	
MONTHLY %	0.00%	0.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.03%	0.00%	
STARRY FLOUNDER	0	0	0	1	39	158	0	0	0	0	0	0	198
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0007	0.0054	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.03%	0.06%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MOSQUITOFISH	0	0	0	0	0	0	0	12	12	24	12	120	180
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0011	0.0014	0.0003	0.0027	0.0003
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.01%	0.01%	0.14%	0.00%

APPENDIX 4. 1969 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
SACRAMENTO PERCH*													
CATCH/A.F.	0	0	0	0	0	0	0	0	0	0	0	24	24
MONTHLY %	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0005	0.0000
BUNFISH	2220	2060	1176	1393	2041	2130	3206	2900	96	0	0	0	17222
CATCH/A.F.	0.0129	0.0225	0.0167	0.0187	0.0341	0.0729	0.0991	0.0849	0.0091	0.0000	0.0000	0.0000	0.0256
MONTHLY %	0.57%	10.13%	9.27%	3.46%	1.49%	0.78%	0.19%	0.27%	0.13%	0.00%	0.00%	0.00%	0.40%
MISCELLANEOUS	6720	1405	575	1075	9257	0	0	0	0	0	0	0	19032
CATCH/A.F.	0.0391	0.0153	0.0082	0.0144	0.1545	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0283
MONTHLY %	1.74%	6.91%	4.53%	2.67%	6.78%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.44%
TOTAL CATCH	387168	20344	12684	40258	136596	274030	1713398	1068090	75730	305928	172696	82916	4289838
CATCH/A.F.	2.2536	0.2222	0.1805	0.5401	2.2792	9.3778	52.9857	31.2645	7.1877	17.2266	4.8773	1.8728	6.3858
MONTHLY %	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

* Identifications were not confirmed by DFG biologists.

APPENDIX 5. 1970 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
ACRE-FEET PUMPED	39198	21132	8227	46459	17618	33510	35548	51090	38567	25541	81678	112234	510822
CHINOOK SALMON	1093	1574	1189	10831	12764	6220	2100	540	12	0	3168	14052	53542
CATCH/A.F.	0.0279	0.0745	0.1445	0.2331	0.7245	0.1856	0.0391	0.0106	0.0003	0.0000	0.0388	0.1252	0.1048
MONTHLY %	1.91%	1.50%	1.21%	12.32%	6.76%	0.31%	0.02%	0.01%	0.00%	0.00%	0.55%	3.65%	0.20%
STEELHEAD RAINBOW TROUT	170	13	25	242	0	0	24	0	0	0	0	48	522
CATCH/A.F.	0.0043	0.0006	0.0030	0.0052	0.0000	0.0000	0.0007	0.0000	0.0000	0.0000	0.0004	0.0010	
MONTHLY %	0.30%	0.01%	0.03%	0.28%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.00%
STRIPED BASS	16899	3548	43	1787	1164	1730100	9180061	2477500	446964	180396	117126	62460	14210048
CATCH/A.F.	0.4311	0.1679	0.0052	0.0385	0.0661	51,6294	258,2441	48,4929	11,5633	7,0630	1,4340	0,5565	27,5337
MONTHLY %	29.49%	3.39%	0.04%	2.03%	0.62%	87.00%	71.08%	33.34%	22.84%	21.32%	20.16%	16.22%	53.37%
WHITE CATFISH	7790	2204	700	3923	9072	10244	204507	831704	364324	258720	237534	47070	1977791
CATCH/A.F.	0.1987	0.1043	0.0850	0.0844	0.5149	0.3057	5,7530	16,2792	9,4416	10,1296	2,9082	0.4194	3,8718
MONTHLY %	13.59%	2.10%	0.72%	4.46%	4.80%	0.52%	1.58%	11.19%	18.62%	30.58%	40.89%	12.22%	7.42%
BROWN BULLHEAD	64	0	0	12	12	0	480	24	0	0	0	0	592
CATCH/A.F.	0.0016	0.0000	0.0000	0.0003	0.0007	0.0000	0.0135	0.0005	0.0000	0.0000	0.0000	0.0000	0.0012
MONTHLY %	0.11%	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CHANNEL CATFISH	256	30	7	67	420	144	1982	2124	828	324	1080	456	7718
CATCH/A.F.	0.0065	0.0014	0.0009	0.0014	0.0238	0.0043	0.0558	0.0416	0.0215	0.0127	0.0132	0.0041	0.0151
MONTHLY %	0.45%	0.03%	0.01%	0.08%	0.22%	0.01%	0.02%	0.03%	0.04%	0.04%	0.19%	0.12%	0.03%
AMERICAN SHAD	4760	83	46	664	96	744	1760	2652	2268	2028	50412	74844	140357
CATCH/A.F.	0.1214	0.0039	0.0056	0.0143	0.0054	0.0222	0.0495	0.0319	0.0588	0.0794	0.6172	0.6669	0.2748
MONTHLY %	8.31%	0.08%	0.05%	0.76%	0.05%	0.04%	0.01%	0.04%	0.12%	0.24%	8.68%	19.44%	0.53%
THREADFIN SHAD	22390	94574	94758	57323	51468	90004	2670303	3994020	1135848	402216	160206	137268	8910378
CATCH/A.F.	0.5712	4.4754	11.5180	1.2338	2.9213	2.6859	75.1182	78.1762	29.4360	15.7479	1.9614	1.2231	17.4432
MONTHLY %	39.07%	90.33%	96.86%	65.18%	27.25%	4.53%	20.68%	53.75%	58.04%	47.53%	27.58%	35.65%	33.45%
SACRAMENTO SPLITTAIL	12	14	1	12	2796	504	2160	4140	0	0	60	84	9783
CATCH/A.F.	0.0003	0.0007	0.0001	0.0003	0.1587	0.0150	0.0608	0.0810	0.0000	0.0000	0.0007	0.0007	0.0192
MONTHLY %	0.02%	0.01%	0.00%	0.01%	1.48%	0.03%	0.02%	0.06%	0.00%	0.00%	0.01%	0.02%	0.04%
THREESPINE STICKLEBACK	0	0	0	89	60	0	0	0	0	0	0	12	161
CATCH/A.F.	0.0000	0.0000	0.0000	0.0019	0.0034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0003
MONTHLY %	0.00%	0.00%	0.00%	0.10%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

APPENDIX 5. 1970 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
HARDHEAD													
CATCH/A.F.	12	17	0	0	24	532	0	240	0	0	60	0	885
MONTHLY %	0.0003	0.0008	0.0000	0.0000	0.0014	0.0159	0.0000	0.0047	0.0000	0.0000	0.0007	0.0000	0.0017
GOLDEN SHINER	0	15	13	98	96	120	1680	1200	288	216	60	132	3918
CATCH/A.F.	0.0000	0.0007	0.0016	0.0021	0.0054	0.0036	0.0473	0.0235	0.0075	0.0085	0.0007	0.0012	0.0077
MONTHLY %	0.00%	0.01%	0.01%	0.11%	0.05%	0.01%	0.01%	0.02%	0.01%	0.03%	0.01%	0.03%	0.01%
CARP	48	14	0	72	24	0	0	0	0	12	204	192	566
CATCH/A.F.	0.0012	0.0007	0.0000	0.0015	0.0014	0.0000	0.0000	0.0000	0.0000	0.0005	0.0025	0.0017	0.0011
MONTHLY %	0.08%	0.01%	0.00%	0.08%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%	0.05%	0.00%
GOLDFISH	60	24	0	36	0	0	0	0	0	0	48	60	228
CATCH/A.F.	0.0015	0.0011	0.0000	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	0.0005	0.0004
MONTHLY %	0.10%	0.02%	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.02%	0.00%
HITCH	0	0	1	0	0	0	12	12	0	0	0	0	25
CATCH/A.F.	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0003	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SACRAMENTO BLACKFISH	48	72	14	85	60	360	240	0	144	0	264	348	1635
CATCH/A.F.	0.0012	0.0034	0.0017	0.0018	0.0034	0.0107	0.0068	0.0000	0.0037	0.0000	0.0032	0.0031	0.0032
MONTHLY %	0.08%	0.07%	0.01%	0.10%	0.03%	0.02%	0.00%	0.00%	0.01%	0.00%	0.05%	0.09%	0.01%
BLACK CRAPPIE	314	117	105	716	576	796	6852	6492	3804	984	1536	768	23061
CATCH/A.F.	0.0080	0.0056	0.0128	0.0154	0.0327	0.0238	0.1920	0.1271	0.0986	0.0385	0.0188	0.0068	0.0451
MONTHLY %	0.55%	0.11%	0.11%	0.81%	0.30%	0.04%	0.05%	0.09%	0.19%	0.12%	0.26%	0.20%	0.09%
GREEN SUNFISH	36	27	78	197	120	192	2496	1968	360	24	180	48	5726
CATCH/A.F.	0.0009	0.0013	0.0095	0.0042	0.0068	0.0057	0.0702	0.0385	0.0093	0.0009	0.0022	0.0004	0.0112
MONTHLY %	0.06%	0.03%	0.08%	0.22%	0.06%	0.01%	0.02%	0.03%	0.02%	0.00%	0.03%	0.01%	0.02%
WARMOUTH	0	0	0	74	24	36	0	0	0	0	0	0	134
CATCH/A.F.	0.0000	0.0000	0.0000	0.0016	0.0014	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
MONTHLY %	0.00%	0.00%	0.00%	0.08%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BLUEGILL	170	26	55	362	312	1112	3266	17976	420	36	456	132	24323
CATCH/A.F.	0.0043	0.0012	0.0067	0.0078	0.0177	0.0332	0.0919	0.3518	0.0109	0.0014	0.0056	0.0012	0.0476
MONTHLY %	0.30%	0.02%	0.06%	0.41%	0.17%	0.06%	0.03%	0.24%	0.02%	0.00%	0.08%	0.03%	0.09%

APPENDIX 5. 1970 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
LARGEMOUTH BASS	0	0	0	0	0	0	1901	300	0	0	0	0	2201
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0535	0.0059	0.0000	0.0000	0.0000	0.0000	0.0043
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
BIGSCALE LOGPERCH	0	0	0	0	312	132	145	0	0	0	0	0	589
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0177	0.0039	0.0041	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.17%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TULE PERCH	0	1	0	0	204	36	972	0	120	0	0	120	1453
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0116	0.0011	0.0273	0.0000	0.0031	0.0000	0.0000	0.0011	0.0028
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.11%	0.00%	0.01%	0.00%	0.01%	0.00%	0.00%	0.03%	0.01%
LONGFIN SMELT	514	31	15	12	3964	19608	3552	0	0	0	0	2208	29904
CATCH/A.F.	0.0131	0.0015	0.0018	0.0003	0.2250	0.5851	0.0999	0.0000	0.0000	0.0000	0.0000	0.0197	0.0985
MONTHLY %	0.90%	0.03%	0.02%	0.01%	2.10%	0.99%	0.03%	0.00%	0.00%	0.00%	0.00%	0.57%	0.11%
DELTA SMELT	672	1545	530	1488	58960	98540	778479	79308	1044	156	5634	39588	1065944
CATCH/A.F.	0.0171	0.0731	0.0644	0.0320	3.3466	2.9406	21.8994	1.5923	0.0271	0.0061	0.0690	0.3927	2.0867
MONTHLY %	1.17%	1.48%	0.54%	1.69%	31.21%	4.96%	6.03%	1.07%	0.05%	0.02%	0.97%	10.28%	4.00%
WHITE STURGEON	24	13	1	0	0	0	120	12	0	48	204	96	518
CATCH/A.F.	0.0006	0.0006	0.0001	0.0000	0.0000	0.0000	0.0034	0.0002	0.0000	0.0019	0.0025	0.0009	0.0010
MONTHLY %	0.04%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.04%	0.02%	0.00%
GREEN STURGEON	0	1	0	0	0	0	0	0	0	0	12	13	0
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PRICKLY SCULPIN	60	75	175	9513	46008	28112	42327	7152	552	612	1200	1836	137622
CATCH/A.F.	0.0015	0.0035	0.0213	0.2048	2.6114	0.8389	1.1907	0.1400	0.0143	0.0240	0.0147	0.0164	0.2694
MONTHLY %	0.10%	0.07%	0.18%	10.82%	24.36%	1.41%	0.33%	0.10%	0.03%	0.07%	0.21%	0.48%	0.52%
YELLOWFIN GOBY	36	0	0	24	0	40	0	720	0	408	1452	3180	5860
CATCH/A.F.	0.0009	0.0000	0.0000	0.0005	0.0000	0.0012	0.0000	0.0141	0.0000	0.0160	0.0178	0.0283	0.0115
MONTHLY %	0.06%	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.01%	0.00%	0.05%	0.25%	0.83%	0.02%
STARRY FLOUNDER	0	0	0	0	156	1096	9886	1920	60	0	0	0	13118
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0089	0.0327	0.2781	0.0376	0.0016	0.0000	0.0000	0.0000	0.0257
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.08%	0.06%	0.08%	0.03%	0.00%	0.00%	0.00%	0.00%	0.05%

APPENDIX 5. 1970 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
PACIFIC LAMPREY	1822	680	57	304	192	0	0	0	0	0	0	12	3067
CATCH/A.F.	0.0465	0.0322	0.0069	0.0065	0.0109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0060
MONTHLY %	3.18%	0.65%	0.06%	0.35%	0.10%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
MOSQUITOFISH	60	4	14	13	12	0	24	984	24	0	48	12	1195
CATCH/A.F.	0.0015	0.0002	0.0017	0.0003	0.0007	0.0000	0.0007	0.0193	0.0006	0.0000	0.0006	0.0001	0.0023
MONTHLY %	0.10%	0.00%	0.01%	0.01%	0.01%	0.00%	0.00%	0.01%	0.00%	0.00%	0.01%	0.00%	0.00%
TOTAL CATCH	57310	104702	97827	87944	188896	1988672	12915329	7430988	1957060	846180	580932	385038	26640878
CATCH/A.F.	1,4621	4,9547	11,8910	1,8929	10,7218	59,3456	363,3208	145,4490	50,7181	33,1303	7,1125	3,4307	52,1530
MONTHLY %	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

APPENDIX 6. 1971 MONTHLY TOTAL CATCHES FOR STATE FACILITY

APPENDIX 6. 1971 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
HARDHEAD													
CATCH/A.F.	108 0.0011	15 0.0004	180 0.0037	0 0.0000	0 0.0000	424 0.0061	120 0.0013	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	847 0.0012
MONTHLY %	0.07% 0.02%	0.02% 0.12%	0.00% 0.00%	0.00% 0.00%	0.00% 0.03%	0.00% 0.00%	0.00% 0.01%	0.00% 0.03%	0.00% 0.02%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%
GOLDEN SHINER													
CATCH/A.F.	48 0.0005	12 0.0003	289 0.0059	48 0.0008	24 0.0005	928 0.0133	840 0.0091	876 0.0070	180 0.0035	0 0.0000	0 0.0000	24 0.0010	3269 0.0044
MONTHLY %	0.03% 0.01%	0.01% 0.20%	0.00% 0.02%	0.00% 0.02%	0.00% 0.06%	0.00% 0.01%	0.00% 0.03%	0.00% 0.02%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.02% 0.02%	0.00% 0.00%
CARP													
CATCH/A.F.	60 0.0006	15 0.0004	0 0.0000	0 0.0000	72 0.0016	244 0.0035	0 0.0000	120 0.0010	0 0.0000	12 0.0002	12 0.0005	96 0.0039	631 0.0009
MONTHLY %	0.04% 0.02%	0.02% 0.00%	0.00% 0.00%	0.00% 0.05%	0.05% 0.02%	0.00% 0.00%	0.00% 0.01%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.09% 0.00%	0.00% 0.00%
GOLDFISH													
CATCH/A.F.	48 0.0005	3 0.0001	0 0.0000	204 0.0034	84 0.0018	108 0.0016	0 0.0000	0 0.0000	0 0.0012	0 0.0000	0 0.0000	0 0.0000	507 0.0007
MONTHLY %	0.03% 0.00%	0.00% 0.00%	0.00% 0.08%	0.08% 0.06%	0.06% 0.01%	0.01% 0.00%	0.00% 0.00%	0.00% 0.01%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%
HITCH													
CATCH/A.F.	0 0.0000	12 0.0002	0 0.0000	0 0.0000	12 0.0000								
MONTHLY %	0.00% 0.00%												
SACRAMENTO BLACKFISH													
CATCH/A.F.	216 0.0022	122 0.0029	157 0.0032	168 0.0028	24 0.0005	384 0.0055	2292 0.0247	1488 0.0118	120 0.0023	0 0.0000	0 0.0000	0 0.0000	4971 0.0067
MONTHLY %	0.15% 0.13%	0.13% 0.11%	0.11% 0.07%	0.07% 0.02%	0.02% 0.02%	0.02% 0.05%	0.02% 0.02%	0.05% 0.02%	0.02% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.03%	0.00% 0.00%
BLACK CRAPPIE													
CATCH/A.F.	420 0.0043	115 0.0027	264 0.0054	1112 0.0163	324 0.0071	712 0.0102	2156 0.0233	2280 0.0181	480 0.0093	762 0.0144	120 0.0048	276 0.0112	9021 0.0122
MONTHLY %	0.29% 0.12%	0.12% 0.18%	0.18% 0.43%	0.43% 0.23%	0.23% 0.04%	0.04% 0.02%	0.02% 0.07%	0.07% 0.06%	0.06% 0.14%	0.14% 0.04%	0.04% 0.26%	0.05% 0.05%	0.00% 0.00%
GREEN SUNFISH													
CATCH/A.F.	24 0.0002	0 0.0000	60 0.0012	120 0.0020	312 0.0068	372 0.0053	360 0.0039	420 0.0033	60 0.0012	84 0.0016	0 0.0000	0 0.0000	1812 0.0025
MONTHLY %	0.02% 0.00%	0.00% 0.04%	0.04% 0.05%	0.05% 0.22%	0.22% 0.02%	0.02% 0.00%	0.00% 0.01%	0.01% 0.01%	0.01% 0.02%	0.02% 0.00%	0.00% 0.00%	0.01% 0.01%	0.00% 0.00%
WARMOUTH													
CATCH/A.F.	0 0.0000	0 0.0000	0 0.0000	0 0.0000	12 0.0003	132 0.0019	0 0.0000	24 0.0002	0 0.0000	0 0.0000	0 0.0000	0 0.0000	168 0.0002
MONTHLY %	0.00% 0.00%	0.00% 0.00%	0.00% 0.01%	0.00% 0.01%	0.01% 0.01%	0.01% 0.00%	0.00% 0.00%	0.00% 0.01%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%
BLUEGILL													
CATCH/A.F.	48 0.0005	3 0.0001	72 0.0015	456 0.0075	420 0.0092	804 0.0116	864 0.0093	1032 0.0082	0 0.0000	72 0.0014	96 0.0038	156 0.0063	4023 0.0055
MONTHLY %	0.03% 0.00%	0.00% 0.05%	0.05% 0.18%	0.18% 0.29%	0.29% 0.05%	0.05% 0.01%	0.01% 0.03%	0.03% 0.00%	0.00% 0.01%	0.01% 0.03%	0.03% 0.15%	0.15% 0.02%	0.00% 0.00%

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APPENDIX 6. 1971 MONTHLY TOTAL CATCHES FOR STATE FACILITY

APPENDIX 6. 1971 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
PACIFIC LAMPREY	12	0	0	96	72	40	0	0	0	0	0	0	220
CATCH/A.F.	0.0001	0.0000	0.0000	0.0016	0.0016	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
MONTHLY %	0.01%	0.00%	0.00%	0.04%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MOSQUITOFISH	12	49	60	36	12	12	24	12	0	24	0	0	241
CATCH/A.F.	0.0001	0.0012	0.0012	0.0006	0.0003	0.0002	0.0003	0.0001	0.0000	0.0005	0.0000	0.0000	0.0003
MONTHLY %	0.01%	0.05%	0.04%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
YELLOW BULLHEAD	0	0	0	0	12	0	24	0	60	0	0	0	96
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000	0.0003	0.0000	0.0012	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%
TOTAL CATCH	145272	96853	145249	257446	144000	1583464	10256456	3229570	778768	559906	280022	104636	17581643
CATCH/A.F.	1,4971	2,3018	2,9657	4,2408	3,1608	22,7627	110,6283	25,6808	15,1579	10,5497	11,1678	4,2545	23,8716
MONTHLY %	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

APPENDIX 7. 1972 MONTHLY TOTAL CATCHES FOR STATE FACILITY

APPENDIX 7. 1972 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
HARDHEAD	0	0	140	240	20	480	120	0	21	0	0	0	1021
CATCH/A.F.	0,0000	0,0000	0,0009	0,0015	0,0002	0,0048	0,0029	0,0000	0,0001	0,0000	0,0000	0,0000	0,0007
MONTHLY %	0,00%	0,00%	0,05%	0,14%	0,00%	0,01%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,01%
GOLDEN SHINER	0	40	240	180	560	0	40	1341	516	40	9	147	3114
CATCH/A.F.	0,0000	0,0015	0,0015	0,0011	0,0042	0,0000	0,0010	0,0107	0,0029	0,0002	0,0000	0,0007	0,0020
MONTHLY %	0,00%	0,04%	0,09%	0,11%	0,06%	0,00%	0,00%	0,07%	0,06%	0,01%	0,00%	0,03%	0,02%
CARP	64	40	640	571	40	0	0	360	180	62	91	122	2170
CATCH/A.F.	0,0019	0,0015	0,0039	0,0036	0,0003	0,0000	0,0000	0,0029	0,0010	0,0003	0,0005	0,0006	0,0014
MONTHLY %	0,09%	0,04%	0,24%	0,34%	0,00%	0,00%	0,00%	0,02%	0,02%	0,01%	0,02%	0,03%	0,01%
GOLDFISH	40	0	130	0	20	280	0	10	0	41	10	0	531
CATCH/A.F.	0,0012	0,0000	0,0008	0,0000	0,0002	0,0028	0,0000	0,0001	0,0000	0,0002	0,0001	0,0000	0,0003
MONTHLY %	0,06%	0,00%	0,05%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,01%	0,00%	0,00%	0,00%
HITCH	0	0	80	0	0	0	0	0	0	0	0	10	90
CATCH/A.F.	0,0000	0,0000	0,0005	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0001	"
MONTHLY %	0,00%	0,00%	0,03%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
SACRAMENTO BLACKFISH	0	10	60	140	160	1480	0	400	40	85	46	44	2465
CATCH/A.F.	0,0000	0,0004	0,0004	0,0009	0,0012	0,0148	0,0000	0,0032	0,0002	0,0005	0,0003	0,0002	0,0016
MONTHLY %	0,00%	0,01%	0,02%	0,08%	0,02%	0,02%	0,00%	0,02%	0,00%	0,02%	0,01%	0,01%	0,01%
BLACK CRAPPIE	136	0	1360	820	1160	1940	1360	3743	1244	870	482	220	13334
CATCH/A.F.	0,0041	0,0000	0,0084	0,0051	0,0088	0,0194	0,0334	0,0299	0,0071	0,0048	0,0027	0,0011	0,0087
MONTHLY %	0,19%	0,00%	0,51%	0,49%	0,13%	0,02%	0,05%	0,19%	0,14%	0,16%	0,13%	0,05%	0,08%
GREEN SUNFISH	0	0	50	210	964	0	240	20	242	23	70	6	1826
CATCH/A.F.	0,0000	0,0000	0,0003	0,0013	0,0073	0,0000	0,0059	0,0002	0,0014	0,0001	0,0004	0,0000	0,0012
MONTHLY %	0,00%	0,00%	0,02%	0,12%	0,11%	0,00%	0,01%	0,00%	0,03%	0,00%	0,02%	0,00%	0,01%
WARMOUTH	0	0	0	20	20	0	0	0	0	120	0	0	160
CATCH/A.F.	0,0000	0,0000	0,0000	0,0001	0,0002	0,0000	0,0000	0,0000	0,0000	0,0007	0,0000	0,0000	0,0001
MONTHLY %	0,00%	0,00%	0,00%	0,01%	0,00%	0,00%	0,00%	0,00%	0,00%	0,02%	0,00%	0,00%	0,00%
BLUEGILL	0	120	360	500	1580	500	20	540	372	262	140	0	4394
CATCH/A.F.	0,0000	0,0045	0,0022	0,0031	0,0119	0,0050	0,0005	0,0043	0,0021	0,0014	0,0008	0,0000	0,0029
MONTHLY %	0,00%	0,11%	0,14%	0,30%	0,18%	0,01%	0,00%	0,03%	0,04%	0,05%	0,04%	0,00%	0,03%

APPENDIX 7. 1972 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
LARGEMOUTH BASS	0	0	40	0	0	0	20	480	0	40	0	0	580
CATCH/A.F.	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0005	0.0038	0.0000	0.0002	0.0000	0.0000	0.0004
MONTHLY %	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.01%	0.00%	0.00%	0.00%
BIGSCALE LOGPERCH	0	40	1	1	0	0	0	0	0	0	0	0	42
CATCH/A.F.	0.0000	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TULE PERCH	0	0	80	270	5550	480	280	0	160	0	0	0	6820
CATCH/A.F.	0.0000	0.0000	0.0005	0.0017	0.0419	0.0048	0.0069	0.0000	0.0009	0.0000	0.0000	0.0000	0.0045
MONTHLY %	0.00%	0.00%	0.03%	0.16%	0.62%	0.01%	0.01%	0.00%	0.02%	0.00%	0.00%	0.00%	0.04%
LONGFIN SHELT	341	110	20	700	5220	40	0	360	2	0	0	80	6273
CATCH/A.F.	0.0072	0.0042	0.0001	0.0012	0.0394	0.0004	0.0000	0.0029	0.0000	0.0000	0.0000	0.0004	0.0041
MONTHLY %	0.34%	0.10%	0.01%	0.12%	0.58%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.02%	0.04%
DELTA SHELT	6289	8954	19120	14692	180936	227420	27800	18106	2090	4339	5625	35088	550459
CATCH/A.F.	0.1880	0.3387	0.1179	0.0917	1.3661	2.2780	0.6824	0.1446	0.0119	0.0237	0.0310	0.1689	0.3600
MONTHLY %	8.96%	8.53%	7.21%	8.70%	20.28%	2.56%	1.08%	0.90%	0.24%	0.82%	1.54%	7.72%	3.20%
WHITE STURGEON	0	0	40	80	170	2920	260	0	120	6	83	30	3709
CATCH/A.F.	0.0000	0.0000	0.0002	0.0005	0.0013	0.0292	0.0064	0.0000	0.0007	0.0000	0.0005	0.0001	0.0024
MONTHLY %	0.00%	0.00%	0.02%	0.05%	0.02%	0.03%	0.01%	0.00%	0.01%	0.00%	0.02%	0.01%	0.02%
GREEN STURGEON	0	0	0	0	0	0	0	0	0	122	0	0	122
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%
PRICKLY SCULPIN	592	482	820	522	520	280	520	40	0	0	82	322	4181
CATCH/A.F.	0.0177	0.0182	0.0051	0.0033	0.0039	0.0028	0.0128	0.0003	0.0000	0.0000	0.0005	0.0016	0.0027
MONTHLY %	0.84%	0.46%	0.31%	0.31%	0.06%	0.00%	0.02%	0.00%	0.00%	0.00%	0.02%	0.07%	0.02%
YELLOWFIN GOBY	24	22	0	0	60	0	240	0	0	0	232	1111	1689
CATCH/A.F.	0.0007	0.0008	0.0000	0.0000	0.0005	0.0000	0.0059	0.0000	0.0000	0.0000	0.0013	0.0053	0.0011
MONTHLY %	0.03%	0.02%	0.00%	0.00%	0.01%	0.00%	0.01%	0.00%	0.00%	0.00%	0.06%	0.24%	0.01%
STARRY FLOUNDER	0	0	50	380	500	1120	20	0	123	0	6	0	2199
CATCH/A.F.	0.0000	0.0000	0.0003	0.0024	0.0038	0.0112	0.0005	0.0000	0.0007	0.0000	0.0000	0.0000	0.0014
MONTHLY %	0.00%	0.00%	0.02%	0.23%	0.06%	0.01%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.01%

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APPENDIX 7. 1972 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
PACIFIC LAMPREY	24	62	160	4400	950	20	0	0	0	124	0	0	5740
CATCH/A.F.	0,0007	0,0023	0,0010	0,0275	0,0072	0,0002	0,0000	0,0000	0,0000	0,0007	0,0000	0,0000	0,0038
MONTHLY %	0,03%	0,06%	0,06%	2,61%	0,11%	0,00%	0,00%	0,00%	0,00%	0,02%	0,00%	0,00%	0,03%
MOSQUITOFISH	20	70	30	60	0	0	0	20	0	41	0	40	282
CATCH/A.F.	0,0006	0,0026	0,0002	0,0004	0,0000	0,0000	0,0000	0,0002	0,0000	0,0002	0,0000	0,0002	0,0002
MONTHLY %	0,03%	0,07%	0,01%	0,04%	0,00%	0,00%	0,00%	0,00%	0,00%	0,01%	0,00%	0,01%	0,00%
YELLOW BULLHEAD	0	0	80	40	101	0	0	0	0	0	0	0	221
CATCH/A.F.	0,0000	0,0000	0,0005	0,0002	0,0008	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0001
MONTHLY %	0,00%	0,00%	0,03%	0,02%	0,01%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
TOTAL CATCH	70177	104932	265094	168777	892320	8877560	2574960	2015552	867254	531960	365916	454281	17188783
CATCH/A.F.	2,0978	3,9696	1,6345	1,0530	6,7370	88,9241	63,2063	16,0921	4,9174	2,9096	2,0148	2,1862	11,2402
MONTHLY %	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%

APPENDIX B. 1973 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
ACRE-FEET PUMPED	82368	26923	37925	46157	104805	153568	168345	185777	103828	133680	105970	109836	1259180
CHINOOK SALMON	1648	667	1814	6534	22334	3917	0	0	0	699	1463	3150	42226
CATCH/A.F.	0.0200	0.0248	0.0478	0.1416	0.2131	0.0255	0.0000	0.0000	0.0000	0.0052	0.0138	0.0287	0.0335
MONTHLY %	1.27%	1.27%	5.32%	10.10%	2.02%	0.04%	0.00%	0.00%	0.00%	0.36%	0.63%	1.65%	0.26%
STEELHEAD RAINBOW TROUT	41	72	46	76	40	259	0	0	0	0	0	0	533
CATCH/A.F.	0.0005	0.0027	0.0012	0.0016	0.0004	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
MONTHLY %	0.03%	0.14%	0.13%	0.12%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
STRIPED BASS	75247	20989	4760	1823	322893	8894389	2878430	373780	35606	40085	52339	112902	12813243
CATCH/A.F.	0.9135	0.7796	0.1255	0.0395	3.0609	57.9190	17.0984	2.0120	0.3429	0.2999	0.4919	1.0279	10.1759
MONTHLY %	57.95%	40.04%	13.95%	2.82%	29.17%	93.20%	82.54%	45.70%	23.04%	20.66%	29.72%	59.03%	80.32%
WHITE CATFISH	10520	20755	19100	9828	136212	331834	260706	95812	30920	19467	13946	11184	960285
CATCH/A.F.	0.1277	0.7709	0.5036	0.2129	1.2997	2.1609	1.5486	0.5157	0.2978	0.1456	0.1316	0.1018	0.7626
MONTHLY %	8.10%	39.59%	55.90%	15.19%	12.30%	3.48%	7.48%	11.71%	20.01%	10.04%	7.92%	9.85%	6.02%
BROWN BULLHEAD	0	0	0	0	30	120	0	0	0	0	0	0	150
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0003	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CHANNEL CATFISH	205	294	44	104	411	10433	9061	2765	579	403	388	120	24807
CATCH/A.F.	0.0025	0.0109	0.0012	0.0023	0.0039	0.0679	0.0538	0.0149	0.0056	0.0030	0.0037	0.0011	0.0197
MONTHLY %	0.16%	0.56%	0.13%	0.16%	0.04%	0.11%	0.26%	0.34%	0.38%	0.21%	0.22%	0.06%	0.16%
AMERICAN SHAD	5749	428	446	63	800	72780	215961	60025	10691	30424	62129	35372	494868
CATCH/A.F.	0.0698	0.0159	0.0118	0.0014	0.0076	0.4739	1.2828	0.3231	0.1030	0.2276	0.5063	0.3220	0.3930
MONTHLY %	4.43%	0.82%	1.31%	0.10%	0.07%	0.76%	6.19%	7.34%	6.92%	15.68%	35.28%	16.49%	3.10%
THREADFIN SHAD	15572	1508	1562	1267	2748	7131	97012	278823	74730	98992	28794	5076	613213
CATCH/A.F.	0.1890	0.0560	0.0412	0.0274	0.0262	0.0464	0.5763	1.5008	0.7197	0.7405	0.2717	0.0462	0.4870
MONTHLY %	11.99%	2.88%	4.58%	1.96%	0.25%	0.07%	2.78%	34.09%	48.36%	51.03%	16.35%	2.65%	3.84%
SACRAMENTO SPLITTAIL	466	371	234	123	20938	16138	1458	404	65	21	20	120	40357
CATCH/A.F.	0.0057	0.0138	0.0062	0.0027	0.1998	0.1051	0.0087	0.0022	0.0006	0.0002	0.0002	0.0011	0.0320
MONTHLY %	0.36%	0.71%	0.68%	0.19%	1.89%	0.17%	0.04%	0.05%	0.04%	0.01%	0.01%	0.06%	0.25%
THREE-SPINE STICKLEBACK	1	0	0	0	123	0	0	0	0	0	0	0	124
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

APPENDIX B. 1973 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
HARDHEAD													
CATCH/A.F.	20	60	40	40	110	764	502	20	0	41	2	8	1607
MONTHLY %	0.0002	0.0022	0.0011	0.0009	0.0010	0.0050	0.0030	0.0001	0.0000	0.0003	0.0000	0.0001	0.0013
CATCH/A.F.	82	0	120	63	422	825	241	301	120	50	12	4	2241
MONTHLY %	0.0010	0.0000	0.0032	0.0014	0.0040	0.0054	0.0014	0.0016	0.0012	0.0004	0.0001	0.0000	0.0018
CARP													
CATCH/A.F.	163	20	21	339	2213	2312	361	725	131	10	94	40	6428
MONTHLY %	0.0020	0.0007	0.0006	0.0073	0.0211	0.0151	0.0021	0.0039	0.0013	0.0001	0.0009	0.0004	0.0051
CATCH/A.F.	22	0	22	45	0	324	0	0	0	0	2	0	414
MONTHLY %	0.0003	0.0000	0.0006	0.0010	0.0000	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
HITCH													
CATCH/A.F.	0	0	0	0	0	36958	4343	370	0	20	0	4	41696
MONTHLY %	0.0000	0.0000	0.0000	0.0000	0.0000	0.2407	0.0258	0.0020	0.0000	0.0001	0.0000	0.0000	0.0331
SACRAMENTO BLACKFISH													
CATCH/A.F.	84	80	0	40	0	240	0	0	0	4	0	0	448
MONTHLY %	0.0010	0.0030	0.0000	0.0009	0.0000	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
BLACK CRAPPIE													
CATCH/A.F.	307	766	1378	1870	4901	6224	1857	1930	705	756	383	206	21284
MONTHLY %	0.0037	0.0285	0.0363	0.0405	0.0468	0.0405	0.0110	0.0104	0.0068	0.0057	0.0036	0.0019	0.0169
GREEN SUNFISH													
CATCH/A.F.	21	0	26	86	240	230	705	0	10	6	42	0	1366
MONTHLY %	0.0003	0.0000	0.0007	0.0019	0.0023	0.0015	0.0042	0.0000	0.0001	0.0000	0.0004	0.0000	0.0011
BLUEGILL													
CATCH/A.F.	0	0	20	1	2644	2408	824	365	337	70	54	40	6763
MONTHLY %	0.0000	0.0000	0.0005	0.0000	0.0252	0.0157	0.0049	0.0020	0.0032	0.0005	0.0005	0.0004	0.0054
LARGEMOUTH BASS													
CATCH/A.F.	0	0	0	0	60	135	0	0	0	0	0	0	195
MONTHLY %	0.0000	0.0000	0.0000	0.0000	0.0006	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002

APPENDIX 8. 1973 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
BIGSCALE LOGPERCH													
CATCH/A.F.	25	11	0	1	1154	786	243	0	1	0	4	0	2224
MONTHLY %	0.0003	0.0004	0.0000	0.0000	0.0110	0.0051	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018
TULE PERCH	0	0	0	2	5924	1881	361	0	0	0	0	0	8168
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0565	0.0123	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0065
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.54%	0.02%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.05%
LONGFIN SHELT	0	0	0	21	0	0	0	0	0	0	0	0	21
CATCH/A.F.	0.0000	0.0000	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
DELTA SHELT	19418	6333	4457	3313	270322	78258	8980	2148	455	1741	9560	16504	421486
CATCH/A.F.	0.2357	0.2352	0.1175	0.0718	2.5793	0.5096	0.0533	0.0116	0.0044	0.0130	0.0902	0.1503	0.3347
MONTHLY %	14.95%	12.08%	13.06%	9.12%	24.42%	0.82%	0.26%	0.26%	0.29%	0.90%	5.43%	8.63%	2.64%
WHITE STURGEON	0	0	0	31	120	0	0	121	20	146	40	0	477
CATCH/A.F.	0.0000	0.0000	0.0000	0.0007	0.0011	0.0000	0.0000	0.0006	0.0002	0.0011	0.0004	0.0000	0.0004
MONTHLY %	0.00%	0.00%	0.00%	0.05%	0.01%	0.00%	0.00%	0.01%	0.01%	0.08%	0.02%	0.00%	0.00%
GREEN STURGEON	0	0	0	0	120	0	0	0	0	20	0	0	140
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
PRICKLY SCULPIN	54	42	3	38773	311710	61055	6055	221	132	153	0	338	418536
CATCH/A.F.	0.0007	0.0015	0.0001	0.8400	2.9742	0.3976	0.0360	0.0012	0.0013	0.0011	0.0000	0.0031	0.3324
MONTHLY %	0.04%	0.08%	0.01%	50.93%	28.16%	0.64%	0.17%	0.03%	0.09%	0.08%	0.00%	0.18%	2.62%
YELLOWFIN GOBY	101	0	0	0	0	12665	0	150	20	839	6737	6106	26618
CATCH/A.F.	0.0012	0.0000	0.0000	0.0000	0.0000	0.0825	0.0000	0.0008	0.0002	0.0063	0.0636	0.0556	0.0211
MONTHLY %	0.08%	0.00%	0.00%	0.00%	0.00%	0.13%	0.00%	0.02%	0.01%	0.43%	3.83%	3.19%	0.17%
STARRY FLOUNDER	0	0	22	121	464	1141	240	0	0	0	13	0	2000
CATCH/A.F.	0.0000	0.0000	0.0006	0.0026	0.0044	0.0074	0.0014	0.0000	0.0000	0.0000	0.0001	0.0000	0.0016
MONTHLY %	0.00%	0.00%	0.06%	0.19%	0.04%	0.01%	0.01%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%
PACIFIC LAMPREY	97	4	0	140	164	0	0	0	0	40	0	102	546
CATCH/A.F.	0.0012	0.0001	0.0000	0.0030	0.0016	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000	0.0009	0.0004
MONTHLY %	0.07%	0.01%	0.00%	0.22%	0.01%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.05%	0.00%

APPENDIX 8. 1973 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
MOQUITOFISH	2	1	0	0	0	0	0	0	0	62	0	65	
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000	0.0001	
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%	0.00%	0.00%	0.00%
YELLOW BULLHEAD	0	20	0	0	0	0	0	0	0	0	0	0	20
CATCH/A.F.	0.0000	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
MONTHLY %	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL CATCH	129844	52420	34113	64702	1107096	9543207	3487341	817961	154522	193987	176083	191276	15952551
CATCH/A.F.	1,5764	1,9470	0,8995	1,4018	10,5634	62,1440	20,7154	4,4029	1,4882	1,4511	1,6616	1,7415	12,6690
MONTHLY %	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

APPENDIX 9. 1974 MONTHLY TOTAL CATCHES FOR STATE FACILITY

APPENDIX 9. 1974 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
THREESPINE STICKLEBACK	0	0	0	4	0	0	0	0	0	0	0	0	4
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HARDHEAD	130	88	193	4	16074	68534	3849	406	0	2	10	0	89290
CATCH/A.F.	0.0030	0.0008	0.0016	0.0000	0.1011	0.2654	0.0106	0.0014	0.0000	0.0000	0.0001	0.0000	0.0477
MONTHLY %	0.10%	0.11%	0.25%	0.01%	2.12%	0.38%	0.05%	0.02%	0.00%	0.00%	0.00%	0.00%	0.29%
GOLDEN SHINER	0	2	9	74	140	974	0	540	85	4	6	40	1875
CATCH/A.F.	0.0000	0.0000	0.0001	0.0007	0.0009	0.0038	0.0000	0.0019	0.0009	0.0001	0.0001	0.0002	0.0010
MONTHLY %	0.00%	0.00%	0.01%	0.21%	0.02%	0.01%	0.00%	0.03%	0.04%	0.00%	0.00%	0.01%	0.01%
CARP	120	42	26	16	82	2438	1043	869	25	2	0	240	4904
CATCH/A.F.	0.0027	0.0004	0.0002	0.0001	0.0005	0.0094	0.0029	0.0031	0.0003	0.0000	0.0000	0.0014	0.0026
MONTHLY %	0.10%	0.05%	0.03%	0.04%	0.01%	0.01%	0.01%	0.04%	0.01%	0.00%	0.00%	0.03%	0.02%
GOLDFISH	0	14	165	8	65	0	520	0	1	0	4	0	777
CATCH/A.F.	0.0000	0.0001	0.0014	0.0001	0.0004	0.0000	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
MONTHLY %	0.00%	0.02%	0.21%	0.02%	0.01%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HITCH	2	0	28	14	50	240	1942	355	0	0	0	0	2631
CATCH/A.F.	0.0000	0.0000	0.0002	0.0001	0.0003	0.0009	0.0054	0.0013	0.0000	0.0000	0.0000	0.0000	0.0014
MONTHLY %	0.00%	0.00%	0.04%	0.04%	0.01%	0.00%	0.02%	0.02%	0.00%	0.00%	0.00%	0.00%	0.01%
SACRAMENTO BLACKFISH	227	44	138	12	21	0	1636	1600	32	21	24	120	3874
CATCH/A.F.	0.0052	0.0004	0.0012	0.0001	0.0001	0.0000	0.0045	0.0057	0.0004	0.0003	0.0002	0.0007	0.0021
MONTHLY %	0.18%	0.06%	0.18%	0.03%	0.00%	0.00%	0.02%	0.08%	0.02%	0.02%	0.01%	0.02%	0.01%
BLACK CRAPPIE	20	372	634	392	2928	5686	4081	1720	510	227	1456	522	18549
CATCH/A.F.	0.0005	0.0034	0.0054	0.0035	0.0184	0.0220	0.0112	0.0061	0.0056	0.0038	0.0143	0.0030	0.0099
MONTHLY %	0.02%	0.47%	0.81%	1.12%	0.39%	0.03%	0.05%	0.09%	0.25%	0.27%	0.61%	0.07%	0.06%
GREEN SUNFISH	0	4	23	22	81	735	127	58	2	0	1	0	1055
CATCH/A.F.	0.0000	0.0000	0.0002	0.0002	0.0005	0.0028	0.0004	0.0002	0.0000	0.0000	0.0000	0.0000	0.0006
MONTHLY %	0.00%	0.01%	0.03%	0.06%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
WARMOUTH	0	0	0	4	25	0	0	0	0	0	0	0	28
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

APPENDIX 9. 1974 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
BLUEGILL	6	183	424	67	2606	1459	345	1669	103	65	189	927	8045
CATCH/A.F.	0.0001	0.0017	0.0036	0.0006	0.0164	0.0057	0.0010	0.0059	0.0011	0.0011	0.0019	0.0034	0.0043
MONTHLY %	0.01%	0.23%	0.54%	0.19%	0.34%	0.01%	0.00%	0.09%	0.05%	0.08%	0.08%	0.13%	0.03%
LARGEMOUTH BASS	0	0	2	0	0	0	480	6	0	0	0	0	488
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BIGSCALE LOGPERCH	4	63	10	0	76	1949	0	0	10	0	4	0	2116
CATCH/A.F.	0.0001	0.0006	0.0001	0.0000	0.0005	0.0075	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0011
MONTHLY %	0.00%	0.08%	0.01%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
TULE PERCH	0	4	29	10	1924	280	0	86	10	2	0	0	2345
CATCH/A.F.	0.0000	0.0000	0.0002	0.0001	0.0121	0.0011	0.0000	0.0003	0.0001	0.0000	0.0000	0.0000	0.0013
MONTHLY %	0.00%	0.01%	0.04%	0.03%	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
LONGFIN SMELT	40	0	12	0	0	144	0	0	0	0	48	244	
CATCH/A.F.	0.0009	0.0000	0.0001	0.0000	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000	0.0003	0.0001	
MONTHLY %	0.03%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	
DELTA SMELT	10255	10389	13551	2322	478061	431676	168286	10950	1365	445	3738	38788	1169825
CATCH/A.F.	0.2342	0.0938	0.1147	0.0205	3.0064	1.6719	0.4638	0.0390	0.0150	0.0075	0.0367	0.2258	0.6253
MONTHLY %	8.24%	13.26%	17.36%	6.63%	63.04%	2.41%	1.97%	0.56%	0.66%	0.54%	1.56%	5.24%	3.80%
WHITE STURGEON	0	4	20	5	120	0	1190	502	107	36	120	134	2239
CATCH/A.F.	0.0000	0.0000	0.0002	0.0000	0.0008	0.0000	0.0033	0.0018	0.0012	0.0006	0.0012	0.0008	0.0012
MONTHLY %	0.00%	0.01%	0.03%	0.01%	0.02%	0.00%	0.01%	0.03%	0.05%	0.04%	0.05%	0.02%	0.01%
GREEN STURGEON	20	0	4	4	0	480	619	3890	518	106	1078	594	7311
CATCH/A.F.	0.0005	0.0000	0.0000	0.0000	0.0000	0.0019	0.0017	0.0139	0.0057	0.0018	0.0106	0.0035	0.0039
MONTHLY %	0.02%	0.00%	0.01%	0.01%	0.00%	0.00%	0.01%	0.20%	0.25%	0.13%	0.45%	0.08%	0.02%
PRICKLY SCULPIN	61	142	516	189	4329	16185	1006	22	24	18	4	176	22672
CATCH/A.F.	0.0014	0.0013	0.0044	0.0017	0.0272	0.0627	0.0028	0.0001	0.0003	0.0003	0.0000	0.0010	0.0121
MONTHLY %	0.05%	0.18%	0.66%	0.54%	0.57%	0.09%	0.01%	0.00%	0.01%	0.02%	0.00%	0.02%	0.07%
YELLOWFIN GOBY	2335	144	34	1	122	1680	0	10	0	0	44	659	5030
CATCH/A.F.	0.0533	0.0013	0.0003	0.0000	0.0008	0.0065	0.0000	0.0000	0.0000	0.0000	0.0004	0.0038	0.0027
MONTHLY %	1.88%	0.18%	0.04%	0.00%	0.02%	0.01%	0.00%	0.00%	0.00%	0.00%	0.02%	0.09%	0.02%

APPENDIX 9. 1974 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
STARRY FLOUNDER													
CATCH/A.F.	0	10	4	30	751	4233	255	0	0	2	40	0	5325
MONTHLY %	0.0000	0.0001	0.0000	0.0003	0.0047	0.0164	0.0007	0.0000	0.0000	0.0000	0.0004	0.0000	0.0028
PACIFIC LAMPREY													
CATCH/A.F.	144	10	12	22	252	0	41	0	0	0	0	28	510
MONTHLY %	0.0033	0.0001	0.0001	0.0002	0.0016	0.0000	0.0001	0.0000	0.0000	0.0000	0.0002	0.0003	
MOSQUITOFISH													
CATCH/A.F.	0	0	0	0	0	0	40	0	0	0	0	0	40
MONTHLY %	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	
MISCELLANEOUS													
CATCH/A.F.	0	0	0	76	1476	0	0	0	0	0	0	0	1552
MONTHLY %	0.0000	0.0000	0.0000	0.0007	0.0093	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008
TOTAL CATCH													
CATCH/A.F.	124488	78325	78068	35018	758325	17936333	8524326	1948943	206961	82908	238987	739816	30752497
MONTHLY %	2.8426	0.7073	0.6607	0.3089	4.7689	69.4698	23.4918	6.9399	2.2814	1.3896	2.3493	4.3071	16.4377
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

APPENDIX 10. 1975 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
ACRE-FEET PUMPED	165329	134790	136350	119020	93477	11849	17314	254789	240640	238965	249634	236814	1898971
CHINOOK SALMON	1743	1650	4404	5508	15161	663	27	60	402	2516	3569	2858	38562
CATCH/A.F.	0.0105	0.0122	0.0323	0.0463	0.1622	0.0559	0.0016	0.0002	0.0017	0.0105	0.0143	0.0121	0.0203
MONTHLY %	0.29%	1.09%	3.79%	8.87%	12.31%	0.15%	0.00%	0.00%	0.04%	0.27%	0.41%	1.07%	0.33%
STEELHEAD RAINBOW TROUT	0	436	2404	1116	229	40	0	0	12	8	120	0	4365
CATCH/A.F.	0.0000	0.0032	0.0176	0.0094	0.0025	0.0034	0.0000	0.0000	0.0001	0.0000	0.0005	0.0000	0.0023
MONTHLY %	0.00%	0.29%	2.07%	1.80%	0.19%	0.01%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.04%
STRIPED BASS	223963	79219	40799	8850	6763	187517	1192438	2454137	307748	100159	217872	88433	4907898
CATCH/A.F.	1.3546	0.5877	0.2992	0.0744	0.0724	15.8255	68.8713	9.6320	1.2789	0.4191	0.8728	0.3734	2,5845
MONTHLY %	37.37%	52.35%	35.12%	14.25%	5.49%	41.09%	55.46%	49.45%	34.10%	10.73%	25.29%	33.07%	42.36%
WHITE CATFISH	15337	8165	20588	31516	41159	23872	34069	340437	88120	40759	26546	4258	674826
CATCH/A.F.	0.0928	0.0606	0.1510	0.2648	0.4403	2.0147	1.9677	1.3362	0.3662	0.1706	0.1063	0.0180	0.3554
MONTHLY %	2.56%	5.40%	17.72%	50.75%	33.41%	5.23%	1.58%	6.86%	9.76%	4.36%	3.08%	1.59%	5.82%
BROWN BULLHEAD	0	0	4	42	52	0	0	0	0	0	0	0	98
CATCH/A.F.	0.0000	0.0000	0.0000	0.0004	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.00%	0.00%	0.00%	0.07%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CHANNEL CATFISH	2103	585	616	279	2897	877	1520	5512	3256	2353	1188	198	21384
CATCH/A.F.	0.0127	0.0043	0.0045	0.0023	0.0310	0.0740	0.0878	0.0216	0.0135	0.0098	0.0048	0.0008	0.0113
MONTHLY %	0.35%	0.39%	0.53%	0.45%	2.35%	0.19%	0.07%	0.11%	0.36%	0.25%	0.14%	0.07%	0.18%
AMERICAN SHAD	58911	10175	3804	821	777	300	473238	1252593	241650	500845	477166	29253	3049533
CATCH/A.F.	0.3563	0.0755	0.0279	0.0069	0.0083	0.0253	27.3327	4.9162	1.0042	2.0959	1.9115	0.1235	1.6059
MONTHLY %	9.83%	6.72%	3.27%	1.32%	0.63%	0.07%	22.01%	25.24%	26.78%	53.63%	55.40%	10.94%	26.32%
THREADFIN SHAD	244284	30929	14739	4566	8118	618	77003	799525	252106	276975	120417	133199	1962480
CATCH/A.F.	1.4776	0.2295	0.1081	0.0384	0.0869	0.0522	4.4475	3.1380	1.0476	1.1591	0.4824	0.5625	1.0334
MONTHLY %	40.76%	20.44%	12.69%	7.35%	6.59%	0.14%	3.58%	16.11%	27.94%	29.66%	13.98%	49.82%	16.94%
SACRAMENTO SPLITTAIL	3029	2248	2121	366	1437	5837	3340	4701	1103	125	149	103	24759
CATCH/A.F.	0.0183	0.0167	0.0156	0.0048	0.0154	0.4926	0.1929	0.0185	0.0046	0.0005	0.0006	0.0004	0.0130
MONTHLY %	0.51%	1.49%	1.83%	0.91%	1.17%	1.28%	0.16%	0.09%	0.12%	0.01%	0.02%	0.04%	0.21%
SACRAMENTO SQUALFISH	0	0	0	4	12	0	0	0	0	0	0	0	16
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

APPENDIX 10. 1975 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
THREESPINE STICKLEBACK													
CATCH/A.F.	0	0	0	0	24	0	0	0	0	0	0	0	24
MONTHLY %	0.000	0.000	0.000	0.000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HARDHEAD													
CATCH/A.F.	0	64	32	22	12	48	307	960	0	0	4	0	1450
MONTHLY %	0.000	0.0005	0.0002	0.0002	0.0001	0.0041	0.0178	0.0038	0.0000	0.0000	0.0000	0.0000	0.0008
GOLDEN SHINER													
CATCH/A.F.	336	136	112	96	146	90	87	1935	437	77	72	64	3588
MONTHLY %	0.0020	0.0010	0.0008	0.0008	0.0016	0.0076	0.0050	0.0076	0.0018	0.0003	0.0003	0.0003	0.0019
CARP													
CATCH/A.F.	0	0	12	28	49	0	61	688	172	1	1	4	1017
MONTHLY %	0.000	0.000	0.0001	0.0002	0.0005	0.0000	0.0035	0.0027	0.0007	0.0000	0.0000	0.0000	0.0005
GOLDFISH													
CATCH/A.F.	30	94	95	50	81	30	0	56	0	0	0	4	440
MONTHLY %	0.0002	0.0007	0.0007	0.0004	0.0009	0.0025	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0002
HITCH													
CATCH/A.F.	120	8	14	4	0	0	0	1000	0	0	0	0	1146
MONTHLY %	0.0007	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0039	0.0000	0.0000	0.0000	0.0000	0.0006
SACRAMENTO BLACKFISH													
CATCH/A.F.	10	0	52	8	0	0	0	4	487	0	66	30	657
MONTHLY %	0.0001	0.0000	0.0004	0.0001	0.0001	0.0000	0.0000	0.0000	0.0020	0.0000	0.0003	0.0001	0.0003
BLACK CRAPPIE													
CATCH/A.F.	258	104	377	339	246	160	904	5309	1710	1051	323	138	10919
MONTHLY %	0.0016	0.0008	0.0028	0.0029	0.0026	0.0135	0.0522	0.0208	0.0071	0.0044	0.0013	0.0006	0.0057
GREEN SUNFISH													
CATCH/A.F.	0	30	11	22	171	42	94	140	4	15	4	24	558
MONTHLY %	0.0000	0.0002	0.0001	0.0002	0.0018	0.0035	0.0054	0.0005	0.0000	0.0001	0.0000	0.0001	0.0003
WARMOUTH													
CATCH/A.F.	0	0	0	12	0	0	0	0	0	0	0	0	12
MONTHLY %	0.000	0.000	0.000	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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APPENDIX 10. 1975 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
BLUEGILL	124	160	205	140	440	870	20	1587	1156	797	656	26	6180
CATCH/A.F.	0.0008	0.0012	0.0015	0.0012	0.0047	0.0734	0.0012	0.0062	0.0048	0.0033	0.0026	0.0001	0.0033
MONTHLY %	0.02%	0.11%	0.18%	0.23%	0.36%	0.19%	0.00%	0.03%	0.13%	0.09%	0.08%	0.01%	0.05%
LARGEMOUTH BASS	0	0	2	0	0	0	0	962	0	5	4	2	975
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0038	0.0000	0.0000	0.0000	0.0000	0.0005
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.01%
BIGSCALE LOGPERCH	8	34	6	6	271	23336	5192	0	0	0	128	38	29019
CATCH/A.F.	0.0000	0.0003	0.0000	0.0001	0.0029	1.9695	0.2999	0.0000	0.0000	0.0000	0.0005	0.0002	0.0153
MONTHLY %	0.00%	0.02%	0.01%	0.01%	0.22%	5.11%	0.24%	0.00%	0.00%	0.00%	0.01%	0.01%	0.25%
TULE PERCH	10	38	81	30	596	1720	381	10	2	4	11	4	2887
CATCH/A.F.	0.0001	0.0003	0.0006	0.0003	0.0064	0.1452	0.0220	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015
MONTHLY %	0.00%	0.03%	0.07%	0.05%	0.48%	0.38%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%
LONGFIN SHELT	93	12	18	20	78	0	20	0	0	136	0	12	389
CATCH/A.F.	0.0006	0.0001	0.0001	0.0002	0.0008	0.0000	0.0012	0.0000	0.0000	0.0006	0.0000	0.0001	0.0002
MONTHLY %	0.02%	0.01%	0.02%	0.03%	0.06%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
DELTA SHELT	48364	15932	24974	7610	41191	192985	358033	88774	2693	7031	9189	5877	802654
CATCH/A.F.	0.2925	0.1182	0.1832	0.0639	0.4407	16.2871	20.6788	0.3484	0.0112	0.0294	0.0368	0.0248	0.4227
MONTHLY %	8.07%	10.53%	21.50%	12.25%	33.43%	42.29%	16.65%	1.79%	0.30%	0.75%	1.07%	2.20%	6.93%
WHITE STURGEON	0	20	0	0	12	20	0	1955	967	580	859	62	4476
CATCH/A.F.	0.0000	0.0001	0.0000	0.0000	0.0001	0.0017	0.0000	0.0077	0.0040	0.0024	0.0034	0.0003	0.0024
MONTHLY %	0.00%	0.01%	0.00%	0.00%	0.01%	0.00%	0.00%	0.04%	0.11%	0.06%	0.10%	0.02%	0.04%
GREEN STURGEON	120	0	133	24	39	0	0	1277	370	224	66	32	2285
CATCH/A.F.	0.0007	0.0000	0.0010	0.0002	0.0004	0.0000	0.0000	0.0050	0.0015	0.0009	0.0003	0.0001	0.0012
MONTHLY %	0.02%	0.00%	0.11%	0.04%	0.03%	0.00%	0.00%	0.03%	0.04%	0.02%	0.01%	0.01%	0.02%
PRICKLY SCULPIN	221	152	208	188	802	14074	3104	860	0	187	136	51	19984
CATCH/A.F.	0.0013	0.0011	0.0015	0.0016	0.0086	1.1878	0.1793	0.0034	0.0000	0.0008	0.0005	0.0002	0.0105
MONTHLY %	0.04%	0.10%	0.18%	0.30%	0.65%	3.08%	0.14%	0.02%	0.00%	0.02%	0.02%	0.02%	0.17%
YELLOWFIN GOBY	44	67	44	12	0	0	280	0	25	2	2805	2664	5943
CATCH/A.F.	0.0003	0.0005	0.0003	0.0001	0.0000	0.0000	0.0162	0.0000	0.0001	0.0000	0.0112	0.0113	0.0031
MONTHLY %	0.01%	0.04%	0.04%	0.02%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.33%	1.00%	0.05%

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APPENDIX 10. 1975 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
MISSISSIPPI SILVERSIDE													
CATCH/A.F.	0	0	0	0	0	0	0	0	0	0	0	2	2
MONTHLY %	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STARRY FLOUNDER													
CATCH/A.F.	0	8	4	16	1858	3230	120	648	0	0	0	0	5884
MONTHLY %	0.0000	0.0001	0.0000	0.0001	0.0199	0.2726	0.0069	0.0025	0.0000	0.0000	0.0000	0.0000	0.0031
PACIFIC LAMPREY													
CATCH/A.F.	170	1061	314	174	557	0	0	0	0	0	0	26	2302
MONTHLY %	0.0010	0.0079	0.0023	0.0015	0.0060	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0012
MOQUITOFISH													
CATCH/A.F.	0	4	13	36	20	50	0	20	12	0	2	10	167
MONTHLY %	0.0000	0.0000	0.0001	0.0003	0.0002	0.0042	0.0000	0.0001	0.0000	0.0000	0.0000	0.0001	0.0001
TOTAL CATCH													
CATCH/A.F.	599278	151332	116186	62106	123199	456378	2150240	4963151	902433	933849	861354	267373	11566878
MONTHLY %	3.6248	1.1227	0.8521	0.5218	1.3180	38.5162	124.1908	19.4795	3.7501	3.9079	3.4505	1.1290	6.1017
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

APPENDIX II. 1976 MONTHLY TOTAL CATCHES FOR STATE FACILITY

APPENDIX II. 1976 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
THREESPINE STICKLEBACK													
CATCH/A.F.	0	8	5	4	26	0	0	0	0	0	0	0	43
MONTHLY %	0.000	0.0000	0.0000	0.0002	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HARDHEAD	0	10	14	0	0	300	60	30	0	0	1	0	415
CATCH/A.F.	0.0000	0.0001	0.0001	0.0000	0.0000	0.0156	0.0031	0.0002	0.0000	0.0000	0.0000	0.0000	0.0003
MONTHLY %	0.00%	0.01%	0.02%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
GOLDEN SHINER	20	9	56	65	24	24	0	143	54	12	8	7	422
CATCH/A.F.	0.0001	0.0001	0.0002	0.0025	0.0006	0.0012	0.0000	0.0011	0.0003	0.0001	0.0001	0.0001	0.0003
MONTHLY %	0.01%	0.01%	0.08%	0.13%	0.01%	0.00%	0.00%	0.01%	0.03%	0.06%	0.01%	0.02%	0.01%
CARP	10	6	22	4	48	0	0	24	2	8	1	40	165
CATCH/A.F.	0.0000	0.0000	0.0001	0.0002	0.0012	0.0000	0.0000	0.0002	0.0000	0.0001	0.0000	0.0006	0.0001
MONTHLY %	0.00%	0.01%	0.03%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.04%	0.00%	0.10%	0.00%
GOLDFISH	0	2	0	1	0	0	0	45	22	0	1	20	91
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0001	0.0000	0.0000	0.0003	0.0001
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.05%	0.00%
HITCH	0	4	0	0	0	0	0	0	0	0	0	0	4
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SACRAMENTO BLACKFISH	30	12	12	0	0	80	0	0	7	0	0	0	141
CATCH/A.F.	0.0001	0.0001	0.0001	0.0000	0.0000	0.0042	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.01%	0.01%	0.02%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BLACK CRAPPIE	27	21	225	99	89	300	1200	314	213	133	97	9	2727
CATCH/A.F.	0.0001	0.0001	0.0010	0.0038	0.0021	0.0156	0.0619	0.0024	0.0010	0.0016	0.0010	0.0001	0.0020
MONTHLY %	0.01%	0.02%	0.33%	0.20%	0.03%	0.02%	0.10%	0.02%	0.11%	0.71%	0.15%	0.02%	0.05%
GREEN SUNFISH	0	0	28	19	122	84	34	24	5	9	0	0	325
CATCH/A.F.	0.0000	0.0000	0.0001	0.0007	0.0029	0.0044	0.0018	0.0002	0.0000	0.0001	0.0000	0.0000	0.0002
MONTHLY %	0.00%	0.00%	0.04%	0.04%	0.03%	0.01%	0.00%	0.00%	0.00%	0.05%	0.00%	0.00%	0.01%
WARMOUTH	0	0	2	0	0	0	0	0	0	0	0	0	2
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

APPENDIX 11. 1976 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
BLUEGILL	81	131	492	194	386	180	40	1039	88	35	42	1	2709
CATCH/A.F.	0.0003	0.0008	0.0022	0.0074	0.0093	0.0094	0.0021	0.0080	0.0004	0.0004	0.0005	0.0000	0.0020
MONTHLY %	0.03%	0.14%	0.73%	0.39%	0.11%	0.01%	0.00%	0.06%	0.05%	0.18%	0.06%	0.00%	0.05%
LARGEMOUTH BASS	0	0	2	0	0	0	0	0	0	0	0	2	4
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%
BIGSCALE LOGPERCH	112	324	18	78	4721	25820	1904	480	5	7	9	12	33491
CATCH/A.F.	0.0004	0.0019	0.0001	0.0030	0.1135	1.3412	0.0983	0.0037	0.0000	0.0001	0.0001	0.0002	0.0249
MONTHLY %	0.04%	0.34%	0.03%	0.16%	1.35%	1.95%	0.15%	0.03%	0.00%	0.04%	0.01%	0.03%	0.60%
TULE PERCH	0	2	17	7	96	0	12	12	110	9	1	12	279
CATCH/A.F.	0.0000	0.0000	0.0001	0.0003	0.0023	0.0000	0.0006	0.0001	0.0005	0.0001	0.0000	0.0002	0.0002
MONTHLY %	0.00%	0.00%	0.02%	0.01%	0.03%	0.00%	0.00%	0.00%	0.06%	0.05%	0.00%	0.03%	0.01%
LONGFIN SMELT	60	134	153	9	0	0	0	0	0	0	7	15	379
CATCH/A.F.	0.0002	0.0008	0.0007	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0002	0.0003	0.0003
MONTHLY %	0.02%	0.14%	0.23%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.04%	0.01%
DELTA SMELT	4606	3846	6396	19765	103593	276860	371001	68455	978	149	331	135	856115
CATCH/A.F.	0.0162	0.0222	0.0281	0.7577	2.4900	14.3816	19.1494	0.5251	0.0047	0.0018	0.0035	0.0021	0.6376
MONTHLY %	1.52%	4.05%	9.45%	39.88%	29.52%	20.88%	29.62%	3.83%	0.52%	0.70%	0.50%	0.35%	15.43%
WHITE STURGEON	0	10	24	2	32	0	0	215	60	8	17	1	370
CATCH/A.F.	0.0000	0.0001	0.0001	0.0001	0.0008	0.0000	0.0000	0.0016	0.0003	0.0001	0.0002	0.0000	0.0003
MONTHLY %	0.00%	0.01%	0.04%	0.00%	0.01%	0.00%	0.00%	0.01%	0.03%	0.04%	0.03%	0.00%	0.01%
GREEN STURGEON	10	0	6	0	0	0	0	29	171	10	14	0	240
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0008	0.0001	0.0002	0.0000	0.0002
MONTHLY %	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.09%	0.05%	0.02%	0.00%	0.00%
PRICKLY SCULPIN	362	16	62	182	98919	129646	32813	2797	218	19	23	8	265065
CATCH/A.F.	0.0014	0.0001	0.0003	0.0070	2.3776	6.7345	1.6937	0.0214	0.0010	0.0002	0.0002	0.0001	0.1974
MONTHLY %	0.12%	0.02%	0.09%	0.37%	28.19%	9.78%	2.62%	0.16%	0.12%	0.10%	0.03%	0.02%	4.78%
YELLOWFIN GOBY	847	151	144	43	9	0	0	0	0	0	137	134	1464
CATCH/A.F.	0.0034	0.0009	0.0006	0.0016	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.0021	0.0011
MONTHLY %	0.28%	0.16%	0.21%	0.09%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.21%	0.35%	0.03%

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APPENDIX 11. 1976 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
MISSISSIPPI SILVERSIDE	20	6	34	0	0	0	0	5	22	72	121	10	291
CATCH/A.F.	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0001	0.0009	0.0013	0.0002	0.0002	
MONTHLY %	0.01%	0.01%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.38%	0.18%	0.03%	0.01%
STARRY FLOUNDER	0	0	0	26	244	60	144	0	99	0	6	0	579
CATCH/A.F.	0.0000	0.0000	0.0000	0.0010	0.0059	0.0031	0.0074	0.0000	0.0005	0.0000	0.0001	0.0000	0.0004
MONTHLY %	0.00%	0.00%	0.00%	0.05%	0.07%	0.00%	0.01%	0.00%	0.05%	0.00%	0.01%	0.00%	0.01%
PACIFIC LAMPREY	28	77	260	42	133	0	0	0	0	0	0	0	539
CATCH/A.F.	0.0001	0.0004	0.0011	0.0016	0.0032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
MONTHLY %	0.01%	0.08%	0.38%	0.09%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
MOSQUITOFISH	0	0	30	110	248	0	0	531	73	36	6	6	1039
CATCH/A.F.	0.0000	0.0000	0.0001	0.0042	0.0060	0.0000	0.0000	0.0041	0.0003	0.0004	0.0001	0.0001	0.0008
MONTHLY %	0.00%	0.00%	0.04%	0.22%	0.07%	0.00%	0.00%	0.03%	0.04%	0.19%	0.01%	0.02%	0.02%
TOTAL CATCH	303963	94888	67671	49556	350932	1325952	1252615	1788850	188867	18909	66215	38354	5546772
CATCH/A.F.	1.2030	0.5466	0.2969	1.6999	8.4351	68.8770	64.6544	13.7206	0.9029	0.2250	0.7070	0.5905	4.1310
MONTHLY %	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

APPENDIX 12. 1977 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
ACRE FEET PUMPED	205112	106116	96551	13974	67508	17310	20360	15431	9182	7789	50942	223692	833967
CHINOOK SALMON	2224	983	593	68	4522	612	0	0	0	0	269	19068	28338
CATCH/A.F.	0.0108	0.0093	0.0061	0.0048	0.0670	0.0354	0.0000	0.0000	0.0000	0.0000	0.0053	0.0852	0.0340
MONTHLY %	1.66%	3.56%	2.46%	1.02%	8.92%	0.74%	0.00%	0.00%	0.00%	0.00%	0.45%	6.28%	1.39%
STEELHEAD RAINBOW TROUT	6	169	428	123	222	2	1230	0	0	0	5	2268	4455
CATCH/A.F.	0.0000	0.0016	0.0044	0.0088	0.0033	0.0001	0.0604	0.0000	0.0000	0.0000	0.0001	0.0101	0.0053
MONTHLY %	0.00%	0.61%	1.78%	1.86%	0.44%	0.00%	0.12%	0.00%	0.00%	0.00%	0.01%	0.75%	0.22%
STRIPED BASS	58071	10128	5287	20	3171	53096	367065	12290	667	11	21636	62411	593852
CATCH/A.F.	0.2831	0.0954	0.0548	0.0014	0.0470	3.0673	18.0287	0.7964	0.0726	0.0014	0.4247	0.2790	0.7121
MONTHLY %	43.24%	36.66%	21.95%	0.30%	6.26%	64.14%	35.73%	9.25%	0.38%	0.06%	36.51%	20.57%	29.10%
WHITE CATFISH	4524	4032	11015	498	1329	298	4158	1572	718	101	1473	1111	30828
CATCH/A.F.	0.0221	0.0380	0.1141	0.0356	0.0197	0.0172	0.2042	0.1019	0.0782	0.0130	0.0289	0.0050	0.0370
MONTHLY %	3.37%	14.59%	45.73%	7.50%	2.62%	0.36%	0.40%	1.18%	0.41%	0.57%	2.49%	0.37%	1.51%
BROWN BULLHEAD	8	0	0	1	0	0	1	0	0	0	0	0	10
CATCH/A.F.	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.01%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CHANNEL CATFISH	109	83	171	12	42	72	383	103	33	0	228	551	1787
CATCH/A.F.	0.0005	0.0008	0.0018	0.0009	0.0006	0.0042	0.0188	0.0067	0.0038	0.0000	0.0045	0.0025	0.0021
MONTHLY %	0.08%	0.30%	0.71%	0.18%	0.08%	0.09%	0.04%	0.08%	0.02%	0.00%	0.38%	0.18%	0.09%
AMERICAN SHAD	40258	4069	1102	34	689	93	111237	43255	29475	1538	7302	61864	300917
CATCH/A.F.	0.1963	0.0383	0.0114	0.0025	0.0102	0.0054	5.4635	2.8031	3.2101	0.1975	0.1433	0.2766	0.3608
MONTHLY %	29.98%	14.73%	4.58%	0.52%	1.36%	0.11%	10.83%	32.54%	16.95%	8.61%	12.32%	20.39%	14.75%
THREADFIN SHAD	19777	4085	1850	169	5401	218	476514	69073	124936	13593	23558	67646	806819
CATCH/A.F.	0.0964	0.0385	0.0192	0.0121	0.0800	0.0126	23.4044	4.4762	13.6066	1.7452	0.4624	0.3024	0.9674
MONTHLY %	14.73%	14.79%	7.68%	2.55%	10.66%	0.26%	46.39%	51.97%	71.84%	76.07%	39.76%	22.29%	39.54%
SACRAMENTO SPLITTAIL	690	474	459	15	85	20	14	0	0	11	0	314	2082
CATCH/A.F.	0.0034	0.0045	0.0048	0.0011	0.0013	0.0011	0.0007	0.0000	0.0000	0.0014	0.0000	0.0014	0.0025
MONTHLY %	0.51%	1.71%	1.91%	0.23%	0.17%	0.02%	0.00%	0.00%	0.00%	0.06%	0.00%	0.10%	0.10%
THREESPINE STICKLEBACK	3	56	170	27	1	1	0	0	0	0	4	0	262
CATCH/A.F.	0.0000	0.0005	0.0018	0.0019	0.0000	0.0001	0.0000	0.0000	0.0000	0.0001	0.0000	0.0003	0.0003
MONTHLY %	0.00%	0.20%	0.71%	0.41%	0.00%	0.00%	0.00%	0.00%	0.00%	0.06%	0.01%	0.00%	0.01%

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APPENDIX 12. 1977 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
HARDHEAD													
CATCH/A.F.	15 0.0001	0 0.0000	8 0.0001	2 0.0001	40 0.0006	1 0.0001	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	20 0.0001	86 0.0001
MONTHLY %	0.01% 0.00%	0.03% 0.03%	0.03% 0.03%	0.08% 0.08%	0.00% 0.00%	0.01% 0.01%	0.00% 0.00%						
GOLDEN SHINER													
CATCH/A.F.	40 0.0002	12 0.0001	31 0.0003	4 0.0003	30 0.0004	7 0.0004	12 0.0006	0 0.0000	0 0.0000	0 0.0000	0 0.0000	6 0.0000	143 0.0002
MONTHLY %	0.13% 0.04%	0.13% 0.04%	0.06% 0.06%	0.06% 0.06%	0.01% 0.01%	0.00% 0.00%	0.01% 0.01%						
CARP													
CATCH/A.F.	113 0.0006	1 0.0000	5 0.0001	0 0.0000	1 0.0000	2 0.0001	0 0.0000	0 0.0000	4 0.0004	0 0.0000	6 0.0001	123 0.0006	256 0.0003
MONTHLY %	0.08% 0.00%	0.02% 0.00%	0.02% 0.00%	0.00% 0.00%	0.01% 0.01%	0.04% 0.01%	0.01% 0.01%						
GOLDFISH													
CATCH/A.F.	28 0.0001	0 0.0000	0 0.0000	0 0.0000	0 0.0000	6 0.0003	0 0.0000	0 0.0000	0 0.0000	1 0.0001	0 0.0000	2 0.0000	37 0.0000
MONTHLY %	0.02% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.01% 0.01%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.01% 0.01%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%
SACRAMENTO BLACKFISH													
CATCH/A.F.	12 0.0001	52 0.0005	0 0.0000	0 0.0000	1 0.0000	0 0.0000	0 0.0000	0 0.0000	36 0.0039	0 0.0000	0 0.0000	78 0.0003	179 0.0002
MONTHLY %	0.01% 0.19%	0.00% 0.00%	0.02% 0.02%	0.00% 0.00%	0.00% 0.00%	0.03% 0.01%	0.01% 0.01%						
BLACK CRAPPIE													
CATCH/A.F.	22 0.0001	87 0.0008	107 0.0011	7 0.0005	65 0.0010	3 0.0002	20 0.0010	64 0.0041	36 0.0039	0 0.0000	274 0.0054	74 0.0003	759 0.0009
MONTHLY %	0.02% 0.32%	0.44% 0.10%	0.10% 0.13%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.05% 0.02%	0.02% 0.02%	0.00% 0.00%	0.46% 0.46%	0.02% 0.02%	0.04% 0.04%
GREEN SUNFISH													
CATCH/A.F.	0 0.0000	0 0.0000	3 0.0000	0 0.0000	12 0.0002	22 0.0013	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	38 0.0000
MONTHLY %	0.00% 0.00%	0.00% 0.01%	0.01% 0.00%	0.00% 0.00%	0.02% 0.02%	0.03% 0.03%	0.00% 0.00%						
WARMOUTH													
CATCH/A.F.	0 0.0000	0 0.0000	0 0.0000	1 0.0001	3 0.0000	1 0.0001	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	6 0.0000
MONTHLY %	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.02% 0.01%	0.01% 0.00%	0.00% 0.00%							
BLUEGILL													
CATCH/A.F.	49 0.0002	43 0.0004	64 0.0007	9 0.0006	104 0.0015	132 0.0077	2 0.0001	41 0.0027	40 0.0044	0 0.0000	137 0.0027	216 0.0010	838 0.0010
MONTHLY %	0.04% 0.16%	0.16% 0.27%	0.27% 0.13%	0.13% 0.21%	0.21% 0.16%	0.00% 0.00%	0.00% 0.00%	0.03% 0.02%	0.02% 0.00%	0.00% 0.23%	0.07% 0.07%	0.00% 0.04%	
LARGEMOUTH BASS													
CATCH/A.F.	1 0.0000	20 0.0002	0 0.0000	1 0.0001	1 0.0000	0 0.0000	0 0.0000	0 0.0000	3 0.0003	0 0.0000	4 0.0001	0 0.0000	30 0.0000
MONTHLY %	0.00% 0.07%	0.00% 0.00%	0.00% 0.02%	0.00% 0.00%	0.01% 0.01%	0.00% 0.00%	0.00% 0.00%						

APPENDIX 12. 1977 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
BIGSCALE LOGPERCH													
CATCH/A.F.	7	71	83	12	11	332	1697	0	0	0	0	14	2227
MONTHLY %	0.0000	0.0007	0.0009	0.0009	0.0002	0.0192	0.0833	0.0000	0.0000	0.0000	0.0000	0.0001	0.0027
	0.01%	0.26%	0.35%	0.18%	0.02%	0.40%	0.17%	0.00%	0.00%	0.00%	0.00%	0.00%	0.11%
TULE PERCH													
CATCH/A.F.	4	3	19	10	18	70	4	0	0	0	32	0	161
MONTHLY %	0.0000	0.0000	0.0002	0.0007	0.0003	0.0040	0.0002	0.0000	0.0000	0.0000	0.0006	0.0000	0.0002
	0.00%	0.01%	0.08%	0.15%	0.04%	0.08%	0.00%	0.00%	0.00%	0.00%	0.05%	0.00%	0.01%
LONGFIN SMELT													
CATCH/A.F.	388	188	206	482	12041	19926	9800	30	0	6	156	460	39683
MONTHLY %	0.0019	0.0018	0.0021	0.0345	0.1784	0.9201	0.4813	0.0019	0.0000	0.0008	0.0031	0.0021	0.0476
	0.29%	0.68%	0.85%	7.27%	23.76%	19.24%	0.95%	0.02%	0.00%	0.03%	0.26%	0.15%	1.94%
DELTA SMELT													
CATCH/A.F.	6980	2430	1707	2975	3017	3033	43489	6435	17890	2528	350	55101	145935
MONTHLY %	0.0340	0.0229	0.0177	0.2129	0.0447	0.1752	2.1360	0.4170	1.9484	0.3246	0.0069	0.2463	0.1750
	5.20%	8.79%	7.09%	44.83%	5.95%	3.66%	4.23%	4.84%	10.29%	14.15%	0.59%	18.16%	7.15%
WHITE STURGEON													
CATCH/A.F.	20	40	0	0	0	0	0	0	6	0	0	66	132
MONTHLY %	0.0001	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000	0.0000	0.0003	0.0002
	0.01%	0.14%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.01%
GREEN STURGEON													
CATCH/A.F.	0	1	11	0	2	0	0	0	0	0	0	0	14
MONTHLY %	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.00%	0.00%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PRICKLY SCULPIN													
CATCH/A.F.	77	307	419	38	1695	1913	642	17	18	7	1	90	5224
MONTHLY %	0.0004	0.0029	0.0043	0.0027	0.0251	0.1105	0.0315	0.0011	0.0020	0.0009	0.0000	0.0004	0.0063
	0.06%	1.11%	1.74%	0.57%	3.34%	2.31%	0.06%	0.01%	0.01%	0.04%	0.00%	0.03%	0.26%
YELLOWFIN GOBY													
CATCH/A.F.	414	49	11	0	51	533	1489	6	0	67	2567	17844	23032
MONTHLY %	0.0020	0.0005	0.0001	0.0000	0.0008	0.0308	0.0731	0.0004	0.0000	0.0086	0.0504	0.0798	0.0276
	0.31%	0.18%	0.05%	0.00%	0.10%	0.64%	0.14%	0.00%	0.00%	0.37%	4.33%	5.88%	1.13%
HIBISSISIPPI SILVERSIDE													
CATCH/A.F.	426	154	20	5	4	0	0	30	53	2	1250	14098	16042
MONTHLY %	0.0021	0.0014	0.0002	0.0004	0.0001	0.0000	0.0000	0.0019	0.0058	0.0003	0.0245	0.0630	0.0192
	0.32%	0.56%	0.08%	0.08%	0.01%	0.00%	0.00%	0.02%	0.03%	0.01%	2.11%	4.65%	0.79%
STARRY FLOUNDER													
CATCH/A.F.	0	0	4	1	85	2	3	0	0	0	0	0	95
MONTHLY %	0.0000	0.0000	0.0000	0.0001	0.0013	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001

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APPENDIX 12. 1977 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
PACIFIC LAMPREY													
CATCH/A.F.	20 0.0001	29 0.0003	123 0.0013	24 0.0017	175 0.0026	2 0.0001	120 0.0059	0 0.0000	0 0.0000	0 0.0000	0 0.0000	24 0.0001	517 0.0006
MONTHLY %	0.01% 0.10%	0.51% 0.37%	0.51% 0.37%	0.37% 0.35%	0.35% 0.35%	0.00% 0.00%	0.01% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.01% 0.01%	0.03% 0.03%
MOSQUITOFISH													
CATCH/A.F.	2 0.0000	41 0.0004	124 0.0013	15 0.0011	13 0.0002	12 0.0007	0 0.0000	0 0.0000	2 0.0002	3 0.0004	0 0.0000	0 0.0000	212 0.0003
MONTHLY %	0.00% 0.15%	0.51% 0.23%	0.51% 0.23%	0.23% 0.03%	0.03% 0.03%	0.01% 0.01%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.02% 0.02%	0.00% 0.00%	0.00% 0.00%	0.01% 0.01%
YELLOW BULLHEAD													
CATCH/A.F.	0 0.0000	22 0.0002	0 0.0000	22 0.0000									
MONTHLY %	0.00% 0.08%	0.00% 0.00%											
SURF SMELT													
CATCH/A.F.	0 0.0000	0 0.0000	30 0.0003	0 0.0000	30 0.0000								
MONTHLY %	0.00% 0.00%	0.00% 0.12%	0.12% 0.00%	0.00% 0.00%									
STRIPED MULLET													
CATCH/A.F.	0 0.0000	0 0.0000	4 0.0000	0 0.0000	4 0.0000								
MONTHLY %	0.00% 0.00%	0.00% 0.02%	0.02% 0.00%	0.00% 0.00%									
PACIFIC HERRING													
CATCH/A.F.	0 0.0000	0 0.0000	30 0.0003	2082 0.1490	17843 0.2643	6370 0.3680	9316 0.4576	0 0.0000	0 0.0000	0 0.0000	0 0.0000	0 0.0000	35640 0.0427
MONTHLY %	0.00% 0.00%	0.00% 0.12%	0.12% 31.38%	31.38% 35.21%	35.21% 7.69%	7.69% 0.91%	0.91% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	1.75% 1.75%
TOTAL CATCH													
CATCH/A.F.	134289 0.6547	27629 0.2604	24086 0.2495	6637 0.4749	50675 0.7506	82780 4.7822	1027196 50.4517	132915 8.6135	173917 18.9411	17868 2.2940	59252 1.1631	303448 1.3565	2040693 2.4470
MONTHLY %	100.00% 100.00%												

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APPENDIX 13. 1978 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
ACRE-FEET PUMPED	365397	343309	107700	34651	58547	200812	211293	246187	210609	126887	131297	168832	2205521
CHINOOK SALMON	45621	6668	511	19	3200	12400	632	0	21	37139	653	3736	110600
CATCH/A.F.	0,1249	0,0194	0,0047	0,0006	0,0546	0,0617	0,0030	0,0000	0,0001	0,2927	0,0050	0,0221	0,0501
MONTHLY %	4,30%	1,24%	0,98%	0,24%	3,72%	0,94%	0,04%	0,00%	0,02%	6,79%	0,16%	0,74%	1,60%
STEELHEAD RAINBOW TROUT	390	6107	254	86	85	436	0	0	0	0	0	0	7358
CATCH/A.F.	0,0011	0,0178	0,0024	0,0025	0,0015	0,0022	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0033
MONTHLY %	0,04%	1,14%	0,49%	1,07%	0,10%	0,03%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,11%
STRIPED BASS	590342	306367	21607	171	1126	633468	1115295	307485	17928	173261	170713	172332	3510094
CATCH/A.F.	1,6156	0,8924	0,2006	0,0049	0,0192	3,1545	5,2784	1,2490	0,0851	1,3655	1,3002	1,0207	1,5915
MONTHLY %	55,66%	57,02%	41,54%	2,14%	1,31%	48,11%	69,70%	43,68%	20,48%	31,67%	41,20%	34,14%	50,73%
WHITE CATFISH	3605	12676	6133	697	6859	85467	57144	44882	5751	5447	1310	1535	231504
CATCH/A.F.	0,0099	0,0369	0,0560	0,0201	0,1171	0,4256	0,2705	0,1823	0,0273	0,0429	0,0100	0,0091	0,1050
MONTHLY %	0,34%	2,36%	11,79%	8,72%	7,98%	6,49%	3,57%	6,38%	6,57%	1,00%	0,32%	0,30%	3,35%
BROWN BULLHEAD	0	0	5	0	0	0	0	0	0	0	0	0	5
CATCH/A.F.	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000
MONTHLY %	0,00%	0,00%	0,01%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
CHANNEL CATFISH	17A2	389	40	0	56	6	1147	82	212	1071	1369	530	6684
CATCH/A.F.	0,0049	0,0011	0,0004	0,0000	0,0010	0,0000	0,0054	0,0003	0,0010	0,0084	0,0104	0,0031	0,0030
MONTHLY %	0,17%	0,07%	0,08%	0,00%	0,06%	0,00%	0,07%	0,01%	0,24%	0,20%	0,33%	0,10%	0,10%
AMERICAN SHAD	46212	4126	540	0	5	22370	363937	317781	47726	157491	166808	132337	1259334
CATCH/A.F.	0,1265	0,0120	0,0050	0,0000	0,0001	0,1114	1,7224	1,2908	0,2266	1,2412	1,2705	0,7838	0,5710
MONTHLY %	4,36%	0,77%	1,04%	0,00%	0,01%	1,70%	22,74%	45,14%	54,53%	28,79%	40,25%	26,22%	18,20%
THREEDFIN SHAD	154782	91711	12722	6603	15532	51584	28136	14607	9667	36898	11791	154951	588982
CATCH/A.F.	0,4236	0,2671	0,1181	0,1906	0,2653	0,2569	0,1332	0,0593	0,0459	0,2908	0,0898	0,9178	0,2670
MONTHLY %	14,59%	17,07%	24,46%	82,64%	18,07%	3,92%	1,76%	2,08%	11,04%	6,74%	2,85%	30,70%	8,51%
SACRAMENTO SPLITTAIL	21256	14161	1872	37	32382	404738	7644	1277	729	15	0	102	484212
CATCH/A.F.	0,0582	0,0412	0,0174	0,0011	0,5531	2,0155	0,0362	0,0052	0,0035	0,0001	0,0000	0,0006	0,2195
MONTHLY %	2,00%	2,64%	3,60%	0,46%	37,67%	30,74%	0,48%	0,18%	0,63%	0,00%	0,00%	0,02%	7,00%
SACRAMENTO SQUAWFISH	0	0	0	0	0	0	27	0	15	4	0	0	46
CATCH/A.F.	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0001	0,0000	0,0001	0,0000	0,0000	0,0000	0,0000
MONTHLY %	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,02%	0,00%	0,00%	0,00%	0,00%

APPENDIX 13. 1978 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
THREESPINE STICKLEBACK	0	711	82	5	5	32	0	0	0	0	0	0	835
CATCH/A.F.	0.0000	0.0021	0.0008	0.0001	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004
MONTHLY %	0.00%	0.13%	0.16%	0.06%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
HARDHEAD	651	614	14	0	5477	23	0	0	0	0	0	0	6779
CATCH/A.F.	0.0018	0.0018	0.0001	0.0000	0.0935	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031
MONTHLY %	0.06%	0.11%	0.03%	0.00%	6.37%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.10%
GOLDEN SHINER	750	1198	153	13	0	1174	0	0	0	0	0	66	3354
CATCH/A.F.	0.0021	0.0035	0.0014	0.0004	0.0000	0.0058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0015
MONTHLY %	0.07%	0.22%	0.29%	0.16%	0.00%	0.09%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.05%
CARP	20	830	3	2	36	0	0	34	15	24	47	72	1083
CATCH/A.F.	0.0001	0.0024	0.0000	0.0001	0.0006	0.0000	0.0000	0.0001	0.0001	0.0002	0.0004	0.0004	0.0005
MONTHLY %	0.00%	0.15%	0.01%	0.03%	0.04%	0.00%	0.00%	0.00%	0.02%	0.00%	0.01%	0.01%	0.02%
GOLDFISH	10620	12820	1124	5	0	233	16	0	24	6	0	0	24848
CATCH/A.F.	0.0291	0.0373	0.0104	0.0001	0.0000	0.0012	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000	0.0113
MONTHLY %	1.00%	2.39%	2.16%	0.06%	0.00%	0.02%	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.36%
SACRAMENTO BLACKFISH	0	234	59	2	57	2	23	0	42	0	0	0	419
CATCH/A.F.	0.0000	0.0007	0.0006	0.0001	0.0010	0.0000	0.0001	0.0000	0.0002	0.0000	0.0000	0.0000	0.0002
MONTHLY %	0.00%	0.04%	0.11%	0.03%	0.07%	0.00%	0.00%	0.00%	0.05%	0.00%	0.00%	0.00%	0.01%
BLACK CRAPPIE	487	633	270	15	166	886	297	1018	68	137	0	1569	5546
CATCH/A.F.	0.0013	0.0018	0.0025	0.0004	0.0028	0.0044	0.0014	0.0041	0.0003	0.0011	0.0000	0.0093	0.0025
MONTHLY %	0.05%	0.12%	0.52%	0.19%	0.19%	0.07%	0.02%	0.14%	0.08%	0.03%	0.00%	0.31%	0.08%
GREEN SUNFISH	0	0	23	13	15	0	10	0	0	7	0	0	69
CATCH/A.F.	0.0000	0.0000	0.0002	0.0004	0.0003	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.04%	0.17%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
WARMOUTH	0	171	0	0	5	0	0	0	0	41	0	0	217
CATCH/A.F.	0.0000	0.0005	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000	0.0001
MONTHLY %	0.00%	0.03%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
BLUEGILL	1570	1349	186	54	99	969	843	223	249	255	0	0	5797
CATCH/A.F.	0.0043	0.0039	0.0017	0.0015	0.0017	0.0048	0.0040	0.0009	0.0012	0.0020	0.0000	0.0000	0.0026
MONTHLY %	0.15%	0.25%	0.36%	0.67%	0.12%	0.07%	0.05%	0.03%	0.28%	0.05%	0.00%	0.00%	0.08%

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APPENDIX 13. 1978 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
LARGEHOUTH BASS													
CATCH/A.F.	0	0	0	0	0	0	23	0	20	0	0	0	43
MONTHLY %	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
BIGSCALE LOGPERCH													
CATCH/A.F.	0	0	3	2	655	7	0	0	0	0	0	0	668
MONTHLY %	0.0000	0.0000	0.0000	0.0001	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
TULE PERCH													
CATCH/A.F.	0	0	3	5	313	0	20	7	0	0	0	0	348
MONTHLY %	0.0000	0.0000	0.0000	0.0001	0.0053	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
LONGFIN SMELT													
CATCH/A.F.	2195	709	22	4	147	0	99	0	0	0	27	294	3498
MONTHLY %	0.0060	0.0021	0.0002	0.0001	0.0025	0.0000	0.0005	0.0000	0.0000	0.0000	0.0002	0.0017	0.0016
DELTA SMELT													
CATCH/A.F.	134089	53960	4217	130	3523	36289	1034	2658	244	60	473	900	237576
MONTHLY %	0.3670	0.1572	0.0392	0.0037	0.0602	0.1807	0.0049	0.0108	0.0012	0.0005	0.0036	0.0053	0.1077
WHITE STURGEON													
CATCH/A.F.	0	70	0	0	5	0	2223	2750	460	11	116	318	5953
MONTHLY %	0.0000	0.0002	0.0000	0.0000	0.0001	0.0000	0.0105	0.0112	0.0022	0.0001	0.0009	0.0019	0.0027
GREEN STURGEON													
CATCH/A.F.	120	0	5	3	0	22	356	151	0	0	0	111	767
MONTHLY %	0.0003	0.0000	0.0000	0.0001	0.0000	0.0001	0.0017	0.0006	0.0000	0.0000	0.0000	0.0007	0.0003
PRICKLY SCULPIN													
CATCH/A.F.	1695	0	30	22	11916	332	660	0	0	0	0	13	14669
MONTHLY %	0.0046	0.0000	0.0003	0.0006	0.2035	0.0017	0.0031	0.0000	0.0000	0.0000	0.0000	0.0001	0.0067
YELLOWFIN GOBY													
CATCH/A.F.	32210	12187	396	73	3934	57722	18948	4025	4028	135105	60825	34190	363644
MONTHLY %	0.0882	0.0355	0.0037	0.0021	0.0672	0.2874	0.0897	0.0163	0.0191	1.0648	0.4633	0.2025	0.1649
HIBERNATING SILVERSTEDE													
CATCH/A.F.	9674	8652	1474	2	141	8350	588	6416	203	71	252	1525	37347
MONTHLY %	0.0265	0.0252	0.0137	0.0001	0.0024	0.0416	0.0028	0.0261	0.0010	0.0006	0.0019	0.0090	0.0169

APPENDIX 13. 1978 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
STARRY FLOUNDER	0	0	0	0	26	130	3	75	0	19	0	0	253
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0004	0.0006	0.0000	0.0003	0.0000	0.0001	0.0000	0.0000	0.0001
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.03%	0.01%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
PACIFIC LAMPREY	2520	589	197	0	0	22	518	0	0	0	0	159	4005
CATCH/A.F.	0.0069	0.0017	0.0018	0.0000	0.0000	0.0001	0.0025	0.0000	0.0000	0.0000	0.0000	0.0009	0.0018
MONTHLY %	0.24%	0.11%	0.38%	0.00%	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.03%	0.06%
MOSQUITOFISH	0	399	64	15	81	60	360	478	123	38	0	0	1618
CATCH/A.F.	0.0000	0.0012	0.0006	0.0004	0.0014	0.0003	0.0017	0.0019	0.0006	0.0003	0.0000	0.0000	0.0007
MONTHLY %	0.00%	0.07%	0.12%	0.18%	0.09%	0.00%	0.02%	0.07%	0.14%	0.01%	0.00%	0.00%	0.02%
YELLOW BULLHEAD	0	0	3	3	0	0	0	0	0	0	0	0	6
CATCH/A.F.	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.01%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
WHITE CRAPPIE	0	0	0	0	0	0	0	0	0	0	0	57	57
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%
MISCELLANEOUS	0	0	3	11	110	0	237	0	0	0	0	0	360
CATCH/A.F.	0.0000	0.0000	0.0000	0.0003	0.0019	0.0000	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
MONTHLY %	0.00%	0.00%	0.01%	0.13%	0.13%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
TOTAL CATCH	1060590	537329	52016	7990	85955	1316723	1600221	703950	87525	547100	414384	504795	6918579
CATCH/A.F.	2,9026	1,5651	0,4830	0,2306	1,4681	6,5570	7,5735	2,8594	0,4156	4,3117	3,1561	2,9899	3,1369
MONTHLY %	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

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APPENDIX 14. 1979 MONTHLY TOTAL CATCHES FOR STATE FACILITY

APPENDIX 14. 1979 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
THREESPINE STICKLEBACK	21	18	22	8	287	0	0	0	0	0	0	0	355
CATCH/A.F.	0.0003	0.0002	0.0002	0.0001	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.02%	0.06%	0.08%	0.01%	0.13%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
HARDHEAD	17	0	97	86	0	10	0	212	0	0	0	63	485
CATCH/A.F.	0.0002	0.0000	0.0008	0.0006	0.0000	0.0001	0.0000	0.0006	0.0000	0.0000	0.0000	0.0002	0.0002
MONTHLY %	0.01%	0.00%	0.36%	0.10%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.02%	0.01%
GOLDEN SHINER	63	65	94	14	196	167	419	1188	149	0	56	0	2411
CATCH/A.F.	0.0008	0.0007	0.0008	0.0001	0.0011	0.0010	0.0015	0.0034	0.0005	0.0000	0.0002	0.0000	0.0009
MONTHLY %	0.06%	0.24%	0.35%	0.02%	0.09%	0.02%	0.03%	0.13%	0.29%	0.00%	0.01%	0.00%	0.05%
CARP	18	58	25	0	0	0	0	431	0	0	0	0	531
CATCH/A.F.	0.0002	0.0006	0.0002	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000	0.0000	0.0000	0.0000	0.0002
MONTHLY %	0.02%	0.21%	0.09%	0.00%	0.00%	0.00%	0.00%	0.05%	0.00%	0.00%	0.00%	0.00%	0.01%
GOLDFISH	65	0	0	5	133	0	10	0	0	0	0	51	264
CATCH/A.F.	0.0008	0.0000	0.0000	0.0000	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
MONTHLY %	0.06%	0.00%	0.00%	0.01%	0.06%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.01%
HITCH	0	0	0	39	0	0	0	0	0	0	0	0	39
CATCH/A.F.	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SACRAMENTO BLACKFISH	0	18	4	15	0	0	0	0	0	0	0	0	38
CATCH/A.F.	0.0000	0.0002	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.07%	0.01%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BLACK CRAPPIE	117	52	106	110	374	451	246	404	48	97	188	0	2194
CATCH/A.F.	0.0015	0.0006	0.0009	0.0007	0.0020	0.0026	0.0009	0.0012	0.0002	0.0005	0.0007	0.0000	0.0009
MONTHLY %	0.10%	0.19%	0.39%	0.12%	0.17%	0.04%	0.02%	0.04%	0.09%	0.04%	0.03%	0.00%	0.04%
GREEN SUNFISH	0	0	35	19	0	80	0	0	0	0	0	0	133
CATCH/A.F.	0.0000	0.0000	0.0003	0.0001	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.00%	0.00%	0.13%	0.02%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
WARMOUTH	0	0	0	5	105	0	0	0	0	0	0	0	110
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.01%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

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APPENDIX 14. 1979 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
BLUEGILL	278	4	114	154	96	921	43	144	505	0	0	0	2258
CATCH/A.F.	0.0034	0.0000	0.0009	0.0010	0.0005	0.0053	0.0002	0.0004	0.0018	0.0000	0.0000	0.0000	0.0009
MONTHLY %	0.24%	0.01%	0.42%	0.17%	0.04%	0.09%	0.00%	0.02%	0.97%	0.00%	0.00%	0.00%	0.05%
LARGEMOUTH BASS	0	0	0	0	0	0	94	0	48	0	0	0	142
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000	0.0002	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.09%	0.00%	0.00%	0.00%	0.00%
BIGSCALE LOGPERCH	12	21	19	5	0	0	0	0	0	0	10	930	997
CATCH/A.F.	0.0001	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0004
MONTHLY %	0.01%	0.08%	0.07%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.23%	0.02%
TULE PERCH	0	0	13	32	278	464	0	100	0	0	0	0	888
CATCH/A.F.	0.0000	0.0000	0.0001	0.0002	0.0015	0.0027	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0003
MONTHLY %	0.00%	0.00%	0.05%	0.04%	0.12%	0.04%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.02%
LONGFIN SHELT	548	91	103	12	2345	2418	0	0	45	0	419	5981	14-3
CATCH/A.F.	0.0068	0.0010	0.0008	0.0001	0.0127	0.0138	0.0000	0.0000	0.0002	0.0000	0.0000	0.0012	0.0023
MONTHLY %	0.48%	0.33%	0.38%	0.01%	1.04%	0.23%	0.00%	0.00%	0.09%	0.00%	0.00%	0.10%	0.12%
DELTA SHELT	394	1213	1665	1135	2191	5286	7233	867	65	311	1238	0	21597
CATCH/A.F.	0.0049	0.0134	0.0135	0.0073	0.0119	0.0302	0.0259	0.0025	0.0002	0.0016	0.0044	0.0000	0.0085
MONTHLY %	0.34%	4.44%	6.11%	1.28%	0.97%	0.50%	0.55%	0.10%	0.12%	0.14%	0.22%	0.00%	0.43%
WHITE STURGEON	0	68	38	48	0	0	876	508	0	0	342	0	1880
CATCH/A.F.	0.0000	0.0008	0.0003	0.0003	0.0000	0.0000	0.0031	0.0015	0.0000	0.0000	0.0012	0.0000	0.0007
MONTHLY %	0.00%	0.25%	0.14%	0.05%	0.00%	0.00%	0.07%	0.06%	0.00%	0.00%	0.06%	0.00%	0.04%
GREEN STURGEON	0	0	0	5	0	167	0	0	0	0	251	423	
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0000	0.0000	0.0000	0.0000	0.0007	0.0002	
MONTHLY %	0.00%	0.00%	0.00%	0.01%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.06%	0.01%
PRICKLY SCULPIN	216	59	39	409	703	864	0	0	0	0	0	0	2290
CATCH/A.F.	0.0027	0.0007	0.0003	0.0026	0.0038	0.0049	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009
MONTHLY %	0.19%	0.22%	0.14%	0.46%	0.31%	0.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.05%
YELLOWFIN GOBY	4704	1519	560	68	2899	26958	7616	5919	1715	17256	15734	38995	123943
CATCH/A.F.	0.0583	0.0168	0.0046	0.0004	0.0157	0.1340	0.0273	0.0171	0.0062	0.0867	0.0558	0.1082	0.0485
MONTHLY %	4.11%	5.56%	2.05%	0.08%	1.28%	2.56%	0.58%	0.66%	3.30%	7.74%	2.79%	9.54%	2.48%

APPENDIX 14. 1979 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
MISSISSIPPI SILVERSIDE	707	620	435	362	138	921	4906	2009	598	503	4794	17808	33800
CATCH/A.F.	0.0088	0.0069	0.0035	0.0023	0.0007	0.0053	0.0176	0.0058	0.0022	0.0025	0.0170	0.0494	0.0132
MONTHLY %	0.62%	2.27%	1.60%	0.41%	0.06%	0.09%	0.37%	0.22%	1.15%	0.23%	0.85%	4.36%	0.68%
STARRY FLOUNDER	0	0	0	0	638	2407	393	0	0	0	0	0	3437
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0035	0.0137	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.28%	0.23%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.07%
PACIFIC LAMPREY	1406	190	44	162	236	0	353	0	0	0	0	0	2391
CATCH/A.F.	0.0174	0.0021	0.0004	0.0010	0.0013	0.0000	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009
MONTHLY %	1.23%	0.69%	0.16%	0.18%	0.10%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.05%
MOQUITTOFISH	0	9	0	108	71	0	84	0	12	51	0	0	334
CATCH/A.F.	0.0000	0.0001	0.0000	0.0007	0.0004	0.0000	0.0003	0.0000	0.0003	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.00%	0.03%	0.00%	0.12%	0.03%	0.00%	0.01%	0.00%	0.02%	0.02%	0.00%	0.00%	0.01%
YELLOW BULLHEAD	0	0	9	0	0	0	0	0	0	0	0	0	9
CATCH/A.F.	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BURF SHELT	0	4	0	0	0	0	0	0	0	0	0	0	4
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SACRAMENTO PERCH *	0	0	0	30	0	0	0	0	0	0	0	0	30
CATCH/A.F.	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
COHO SALMON	0	0	0	2	0	0	0	0	0	0	0	0	2
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MISCELLANEOUS	0	0	0	0	0	5790	0	0	0	0	0	0	5790
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0331	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.55%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.12%
TOTAL CATCH	114419	27321	27264	88490	225980	1051849	1315215	900884	51929	223069	563578	408876	4998875
CATCH/A.F.	1.4170	0.3024	0.2218	0.5672	1.2255	6.0074	4.7118	2.6000	0.1870	1.1202	2.0001	1.1350	1.9573
MONTHLY %	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

* Identifications were not confirmed by DFG biologists.

APPENDIX 15. 1980 MONTHLY TOTAL CATCHES FOR STATE FACILITY

APPENDIX 15. 1980 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
THREESPINE STICKLEBACK													
CATCH/A.F.	0	0	2	19	0	0	0	0	108	0	0	0	125
MONTHLY %	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0000	0.0001
HARDHEAD	0	0	0	0	0	0	0	1362	0	0	0	0	1362
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0000	0.0000	0.0000	0.0000	0.0006
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.15%	0.00%	0.00%	0.00%	0.00%	0.03%
GOLDEN SHINER	95	0	2	5	0	0	0	0	281	0	0	0	383
CATCH/A.F.	0.0002	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0015	0.0000	0.0000	0.0000	0.0002
MONTHLY %	0.05%	0.00%	0.02%	0.01%	0.00%	0.00%	0.00%	0.00%	0.18%	0.00%	0.00%	0.00%	0.01%
CARP	266	144	0	2	90	61	0	1067	0	0	0	0	1630
CATCH/A.F.	0.0007	0.0008	0.0000	0.0000	0.0009	0.0003	0.0000	0.0039	0.0000	0.0000	0.0000	0.0000	0.0008
MONTHLY %	0.14%	0.12%	0.00%	0.01%	0.06%	0.01%	0.00%	0.12%	0.00%	0.00%	0.00%	0.00%	0.03%
GOLDFISH	2210	1428	0	0	3	31	0	0	54	0	0	0	3726
CATCH/A.F.	0.0057	0.0076	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0017
MONTHLY %	1.14%	1.19%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.08%
BLACK CRAPPIE	1212	770	40	59	262	257	0	242	155	560	0	0	3557
CATCH/A.F.	0.0031	0.0041	0.0006	0.0007	0.0027	0.0014	0.0000	0.0009	0.0007	0.0031	0.0000	0.0000	0.0016
MONTHLY %	0.63%	0.64%	0.31%	0.16%	0.19%	0.03%	0.00%	0.03%	0.04%	0.35%	0.00%	0.00%	0.07%
GREEN SUNFISH	0	0	0	0	0	0	149	0	0	0	0	0	149
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
WARMOUTH	0	0	10	51	0	0	0	0	0	0	0	0	61
CATCH/A.F.	0.0000	0.0000	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MONTHLY %	0.00%	0.00%	0.08%	0.14%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BLUEGILL	22	2576	96	56	85	1230	302	26	71	43	28	46	4581
CATCH/A.F.	0.0001	0.0137	0.0014	0.0006	0.0009	0.0069	0.0023	0.0001	0.0003	0.0002	0.0002	0.0003	0.0021
MONTHLY %	0.01%	2.14%	0.74%	0.15%	0.06%	0.16%	0.02%	0.00%	0.02%	0.03%	0.01%	0.02%	0.09%
LARGEMOUTH BASS	0	0	0	4	0	0	0	0	0	0	0	24	27
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
MONTHLY %	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%

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APPENDIX 15. 1980 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
BIGSCALE LOGPERCH													
CATCH/A.F.	22	39	10	4	0	0	0	0	0	0	0	0	75
MONTHLY %	0.0001	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.01%	0.03%	0.07%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TULE PERCH													
CATCH/A.F.	26	18	9	2	198	141	0	100	0	171	0	0	665
MONTHLY %	0.0001	0.0001	0.0001	0.0000	0.0021	0.0008	0.0000	0.0004	0.0000	0.0009	0.0000	0.0000	0.0003
	0.01%	0.02%	0.07%	0.01%	0.14%	0.02%	0.00%	0.01%	0.00%	0.11%	0.00%	0.00%	0.01%
LONGFIN SMELT													
CATCH/A.F.	0	82	0	2546	5213	850	0	0	652	0	0	0	9342
MONTHLY %	0.0000	0.0004	0.0000	0.0292	0.0548	0.0048	0.0000	0.0000	0.0027	0.0000	0.0000	0.0000	0.0043
	0.00%	0.07%	0.00%	6.93%	3.69%	0.11%	0.00%	0.00%	0.16%	0.00%	0.00%	0.00%	0.19%
DELTA SMELT													
CATCH/A.F.	4607	91	156	228	685	11779	13699	7332	83	354	338	2020	41371
MONTHLY %	0.0119	0.0005	0.0022	0.0026	0.0072	0.0661	0.1056	0.0266	0.0003	0.0019	0.0023	0.0111	0.0191
	2.38%	0.00%	1.20%	0.62%	0.48%	1.53%	0.88%	0.83%	0.02%	0.22%	0.09%	0.87%	0.85%
WHITE STURGEON													
CATCH/A.F.	0	0	3	0	0	0	0	2458	2607	10	28	722	5828
MONTHLY %	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0089	0.0109	0.0001	0.0002	0.0040	0.0027
	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.28%	0.65%	0.01%	0.01%	0.31%	0.12%
GREEN STURGEON													
CATCH/A.F.	0	0	0	0	0	0	0	24	30	0	0	0	55
MONTHLY %	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PRICKLY SCULPIN													
CATCH/A.F.	90	0	26	64	351	991	661	0	0	0	0	0	2184
MONTHLY %	0.0002	0.0000	0.0004	0.0007	0.0037	0.0056	0.0051	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010
	0.05%	0.00%	0.20%	0.18%	0.25%	0.13%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%
YELLOWFIN GOBY													
CATCH/A.F.	10251	4299	251	19	335	19943	20972	6641	7333	16074	10262	12591	108970
MONTHLY %	0.0265	0.0228	0.0035	0.0002	0.0035	0.1119	0.1617	0.0241	0.0307	0.0875	0.0691	0.0695	0.0504
	5.30%	3.57%	1.93%	0.05%	0.24%	2.59%	1.34%	0.75%	1.81%	10.03%	2.81%	5.44%	2.23%
MISSISSIPPI SILVERSIDE													
CATCH/A.F.	17564	1092	49	117	360	31	727	4714	1009	2968	1174	890	30695
MONTHLY %	0.0454	0.0058	0.0007	0.0013	0.0038	0.0002	0.0056	0.0171	0.0042	0.0162	0.0079	0.0049	0.0142
	9.09%	0.91%	0.38%	0.32%	0.25%	0.00%	0.05%	0.53%	0.25%	1.85%	0.32%	0.38%	0.63%
STARRY FLUNDER													
CATCH/A.F.	0	0	0	0	19	844	1395	348	0	0	0	0	2606
MONTHLY %	0.0000	0.0000	0.0000	0.0000	0.0002	0.0047	0.0108	0.0013	0.0000	0.0000	0.0000	0.0000	0.0012
	0.00%	0.00%	0.00%	0.00%	0.01%	0.11%	0.09%	0.04%	0.00%	0.00%	0.00%	0.00%	0.05%

APPENDIX 15. 1980 MONTHLY TOTAL CATCHES FOR STATE FACILITY

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
PACIFIC LAMPREY	183	0	2	5	0	17	0	0	0	0	0	66	273
CATCH/A.F.	0.0005	0.0000	0.0000	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0001
MONTHLY %	0.09%	0.00%	0.02%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%	0.01%
MOSQUITOFISH	81	44	19	1	137	0	0	0	133	0	0	0	414
CATCH/A.F.	0.0002	0.0002	0.0003	0.0000	0.0014	0.0000	0.0000	0.0000	0.0007	0.0000	0.0000	0.0002	
MONTHLY %	0.04%	0.04%	0.14%	0.00%	0.10%	0.00%	0.00%	0.00%	0.08%	0.00%	0.00%	0.01%	
YELLOW BULLHEAD	121	17	0	0	138	1097	0	0	0	0	0	0	1373
CATCH/A.F.	0.0003	0.0001	0.0000	0.0000	0.0015	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	
MONTHLY %	0.06%	0.01%	0.00%	0.00%	0.10%	0.14%	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%	
BLACK BULLHEAD	0	0	0	0	0	0	0	30	0	0	0	0	30
CATCH/A.F.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	
MONTHLY %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
TOTAL CATCH	193255	120365	12958	36764	141318	769512	1565420	885700	404089	160279	364592	231350	4885603
CATCH/A.F.	0.4993	0.6392	0.1832	0.4222	1.4843	4.3166	12.0699	3.2137	1.6944	0.8725	2.4559	1.2772	2.2580
MONTHLY %	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%